

EXPRESSION OF INTEREST (EOI)

Project	CERES
Company / Client	Perdaman Chemicals and Fertilisers Pty Ltd
Package Material Requisition Number	0000-SA-E-50090
Package Title	INSTRUMENTATION AND TELECOM CABLES (ARMOURED & UNARMOURED)
1. SUBMISSION PROCEDURE	
EOI Instructions	<p>Supplier(s) are invited to express interest by registering on ICN Gateway where competency and previous positive experiences of similar supply of goods / services can be demonstrated.</p> <p>When submitting interest registrants will be asked to complete an expression of interest document. The registrant's response will form their Expression of Interest (EOI) for material and/or services.</p> <p>Suppliers will only be considered for Prequalification should they satisfy stated criteria, including but not limited to Health, Safety & Environmental Management, Quality management, financial standing, relevant experience and availability.</p>
EOI Closing Date	Please submit by close of business on 12/04/2023
Returnable Schedules	Where the EOI calls for any Returnable Schedules, please ensure all schedules are submitted.
Contact	<p>All initial enquiries should be made through the Industry Capability Network Western Australia (ICNWA).</p> <p>Andie Pfaff andie.pfaff@icnwa.org.au +61 (08) 9365 7422</p>
URL	<p>For more information regarding the Perdaman, refer</p> <ul style="list-style-type: none"> https://www.perdamanindustries.com.au/scjv/
2. INDICATIVE SCOPE OF WORK	
Package Description	<p>Overview Saipem Australia Pty Ltd and Clough Projects Australia Pty Ltd Joint Venture (herein referred to as the "CONTRACTOR") has reached an agreement with Perdaman Chemicals and Fertilisers Pty Ltd (herein referred to as the "OWNER") for the Engineering, Procurement, Construction and Commissioning of the PROJECT CERES located in Burrup Strategic Industrial Area, Burrup Peninsula, Western Australia.</p> <p>Perdaman Chemicals and Fertilisers Pty Ltd (OWNER) is focused on the development of Perdaman - Project CERES which shall be the world's largest gas stream ammonia-urea plant with a production capacity of 2.14 MMTPA granular urea.</p> <p>General Scope of Supply / Services Design, engineering, supply of materials, fabrication and assembly, shop tests and inspections, painting and marking, packing, transportation, etc., of Instrumentation and Telecom Cables as per Annexure 1</p>

	The purpose of this enquiry is to award a Project Master Agreement and on the basis of Project Master Agreement, different Call-off Purchase orders will be Issued.
Standards	Compliance with National, International and Industry Standards, Australian and WA Regulatory requirements.
Key Dates	Final Notice to Proceed planned during 2023
Point of Delivery	Partial at Module Fabrication Yard (Outside Australia) & Partial at Project Site in Burrup Strategic Industrial Area (Western Australia)
3. RETURNABLE DOCUMENTS	
List of Returnable Schedules	List of experience on similar equipment supply projects
4. DISCLAIMER	
This Expression of Interest to gain an insight into the capabilities of potential suppliers and/or service providers and not a Tender Invitation or offer - the schedule and content of this work is subject to change pending project demand and timelines.	

Annexure -1: INSTRUMENTATION & TELECOM CABLES

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
1 Pair	1	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	PCS/PLC : Analog (I/O) & Digital Input	Flame Retardant	Above Ground	108736,1
2 Pair	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	PCS/PLC : Analog (I/O) & Digital Input	Flame Retardant	Above Ground	1
6 Pair	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	PCS/PLC : Analog (I/O) & Digital Input	Flame Retardant	Above Ground	64271,2
12 Pair	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	PCS/PLC : Analog (I/O) & Digital Input	Flame Retardant	Above Ground	138848,64
24 Pair	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	PCS/PLC : Analog (I/O) & Digital Input	Flame Retardant	Above Ground	90343,68
1 Pair	1	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	PCS/PLC : Analog (I/O) & Digital Input	Flame Retardant	Under Ground	1
2 Pair	1	Flame Retardant - IEC 60332, Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	PCS/PLC : Analog (I/O) & Digital Input	Flame Retardant	Under Ground	1
6 Pair	1	Flame Retardant - IEC 60332, Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	PCS/PLC : Analog (I/O) & Digital Input	Flame Retardant	Under Ground	1
12 Pair	1	Flame Retardant - IEC 60332, Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	PCS/PLC : Analog (I/O) & Digital Input	Flame Retardant	Under Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
24 Pair	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	PCS/PLC : Analog (I/O) & Digital Input	Flame Retardant	Under Ground	1
1 Pair	1	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: NA,Un-armoured, Outer Sheath:LSZH	Indoor Building Cables Signal Cables for PCS/PLC	Flame Retardant	-	1
6 Pair	1	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: NA,Un-armoured, Outer Sheath:LSZH	Indoor Building Cables Signal Cables for PCS/PLC	Flame Retardant	-	1
12 Pair	1	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: NA,Un-armoured, Outer Sheath:LSZH	Indoor Building Cables Signal Cables for PCS/PLC	Flame Retardant	-	1
24 Pair	1	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: NA,Un-armoured, Outer Sheath:LSZH	Indoor Building Cables Signal Cables for PCS/PLC	Flame Retardant	-	1
1 Pair	1	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	SIS/FGS : Analog (I/O) & Digital Input	Fire Resistant	Above Ground	34006,5
2 Pair	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	SIS/FGS : Analog (I/O) & Digital Input	Fire Resistant	Above Ground	1
6 Pair	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	SIS/FGS : Analog (I/O) & Digital Input	Fire Resistant	Above Ground	16260,16
12 Pair	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	SIS/FGS : Analog (I/O) & Digital Input	Fire Resistant	Above Ground	34891,36

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
24 Pair	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	SIS/FGS : Analog (I/O) & Digital Input	Fire Resistant	Above Ground	5255,04
1 Pair	1	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	SIS/FGS : Analog (I/O) & Digital Input	Fire Resistant	Under Ground	1
2 Pair	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	SIS/FGS : Analog (I/O) & Digital Input	Fire Resistant	Under Ground	1
6 Pair	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	SIS/FGS : Analog (I/O) & Digital Input	Fire Resistant	Under Ground	1
12 Pair	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	SIS/FGS : Analog (I/O) & Digital Input	Fire Resistant	Under Ground	1
24 Pair	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	SIS/FGS : Analog (I/O) & Digital Input	Fire Resistant	Under Ground	1
1 Pair	1	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: NA,Un-armoured, Outer Sheath:LSZH	Indoor Building Cables Signal Cables for SIS/F&G	Fire Resistant	-	1
6 Pair	1	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: NA,Un-armoured, Outer Sheath:LSZH	Indoor Building Cables Signal Cables for SIS/F&G	Fire Resistant	-	1
12 Pair	1	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: NA,Un-armoured, Outer Sheath:LSZH	Indoor Building Cables Signal Cables for SIS/F&G	Fire Resistant	-	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
24 Pair	1	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: NA,Un-armoured, Outer Sheath:LSZH	Indoor Building Cables Signal Cables for SIS/F&G	Fire Resistant	-	1
1 Pair	2,5	Fire Resistant - IEC 60331,No Screen, Insulation Colour:White / Black, Insulation Materails: MICA/XLPE,Inner seath: NA,Un-armoured, Outer Sheath:LSZH	Indoor Building Cables eg. Beacon and Hooter	Fire Resistant	-	1
1 Pair	2,5	Flame Retardant - IEC 60332,No Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	PCS/PLC : Digital Output (SOV)	Flame Retardant	Above Ground	14945,7
6 Pair	2,5	Flame Retardant - IEC 60332,No Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: PVC/LSZH, Steel Wire Armored, Outer Sheath:PVC / LSZH	PCS/PLC : Digital Output (SOV)	Flame Retardant	Above Ground	16031,68
12 Pair	2,5	Flame Retardant - IEC 60332,No Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: PVC / LSZH,Steel Wire Armored, Outer Sheath:PVC / LSZH	PCS/PLC : Digital Output (SOV)	Flame Retardant	Above Ground	11081,28
24 Pair	2,5	Flame Retardant - IEC 60332,No Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: PVC / LSZH,Steel Wire Armored, Outer Sheath:PVC / LSZH	PCS/PLC : Digital Output (SOV)	Flame Retardant	Above Ground	6081,6
1 Pair	4	Flame Retardant - IEC 60332,No Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	PCS/PLC : Digital Output (SOV)	Flame Retardant	Above Ground	1
6 Pair	4	Flame Retardant - IEC 60332,No Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: PVC ,Steel Wire Armored, Outer Sheath:PVC	PCS/PLC : Digital Output (SOV)	Flame Retardant	Above Ground	1
12 Pair	4	Flame Retardant - IEC 60332,No Screen, Insulation Colour:White / Black, Insulation Materails: XLPE,Inner seath: PVC ,Steel Wire Armored, Outer Sheath:PVC	PCS/PLC : Digital Output (SOV)	Flame Retardant	Above Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
24 Pair	4	Flame Retardant - IEC 60332, No Screen, Insulation Colour: White / Black, Insulation Materials: XLPE, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: PVC	PCS/PLC : Digital Output (SOV)	Flame Retardant	Above Ground	1
1 Pair	2,5	Flame Retardant - IEC 60332, No Screen, Insulation Colour: White / Black, Insulation Materials: XLPE, Inner sheath: AL/HDPE/PA/LSZH, Steel Wire Armored, Outer Sheath: LSZH	PCS/PLC : Digital Output (SOV)	Flame Retardant	Under Ground	1
6 Pair	2,5	Flame Retardant - IEC 60332, No Screen, Insulation Colour: White / Black, Insulation Materials: XLPE, Inner sheath: AL/HDPE/PA/PVC /LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	PCS/PLC : Digital Output (SOV)	Flame Retardant	Under Ground	1
12 Pair	2,5	Flame Retardant - IEC 60332, No Screen, Insulation Colour: White / Black, Insulation Materials: XLPE, Inner sheath: AL/HDPE/PA/PVC /LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	PCS/PLC : Digital Output (SOV)	Flame Retardant	Under Ground	1
24 Pair	2,5	Flame Retardant - IEC 60332, No Screen, Insulation Colour: White / Black, Insulation Materials: XLPE, Inner sheath: AL/HDPE/PA/PVC /LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	PCS/PLC : Digital Output (SOV)	Flame Retardant	Under Ground	1
1 Pair	4	Flame Retardant - IEC 60332, No Screen, Insulation Colour: White / Black, Insulation Materials: XLPE, Inner sheath: AL/HDPE/PA/LSZH, Steel Wire Armored, Outer Sheath: LSZH	PCS/PLC : Digital Output (SOV)	Flame Retardant	Under Ground	1
6 Pair	4	Flame Retardant - IEC 60332, No Screen, Insulation Colour: White / Black, Insulation Materials: XLPE, Inner sheath: AL/HDPE/PA/PVC /LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	PCS/PLC : Digital Output (SOV)	Flame Retardant	Under Ground	1
12 Pair	4	Flame Retardant - IEC 60332, No Screen, Insulation Colour: White / Black, Insulation Materials: XLPE, Inner sheath: AL/HDPE/PA/PVC /LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	PCS/PLC : Digital Output (SOV)	Flame Retardant	Under Ground	1
24 Pair	4	Flame Retardant - IEC 60332, No Screen, Insulation Colour: White / Black, Insulation Materials: XLPE, Inner sheath: AL/HDPE/PA/PVC /LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	PCS/PLC : Digital Output (SOV)	Flame Retardant	Under Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
1 Pair	2,5	Flame Retardant - IEC 60332, No Screen, Insulation Colour: White / Black, Insulation Materials: XLPE, Inner sheath: NA, Un-armoured, Outer Sheath: LSZH	Indoor Building Cables(SOV)	Flame Retardant	-	1
1 Pair	2,5	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: PVC	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Above Ground	13365
6 Pair	2,5	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: PVC / LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Above Ground	13815,2
12 Pair	2,5	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: PVC / LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Above Ground	5096
24 Pair	2,5	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: PVC / LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Above Ground	3124,8
1 Pair	4	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: PVC	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Above Ground	1
6 Pair	4	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: PVC / LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Above Ground	1
12 Pair	4	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: PVC / LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Above Ground	1
24 Pair	4	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: PVC / LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Above Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
1 Pair	2,5	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: AL/HDPE/PA/PVC, Steel Wire Armored, Outer Sheath: PVC	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Under Ground	1
6 Pair	2,5	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: AL/HDPE/PA/PVC, Steel Wire Armored, Outer Sheath: PVC	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Under Ground	1
12 Pair	2,5	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: AL/HDPE/PA/PVC, Steel Wire Armored, Outer Sheath: PVC	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Under Ground	1
24 Pair	2,5	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: AL/HDPE/PA/PVC, Steel Wire Armored, Outer Sheath: PVC	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Under Ground	1
1 Pair	4	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: AL/HDPE/PA/PVC, Steel Wire Armored, Outer Sheath: PVC	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Under Ground	1
6 Pair	4	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: AL/HDPE/PA/PVC / LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Under Ground	1
12 Pair	4	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: AL/HDPE/PA/PVC / LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Under Ground	1
24 Pair	4	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: AL/HDPE/PA/PVC / LSZH, Steel Wire Armored, Outer Sheath: PVC / LSZH	SIS/FGS : Digital Output (SOV & MCC)	Fire Resistant	Under Ground	1
1 Pair	2,5	Fire Resistant - IEC 60331, No Screen, Insulation Colour: White / Black, Insulation Materials: MICA/XLPE, Inner sheath: NA, Un-armoured, Outer Sheath: LSZH	Indoor Building Cables	Fire Resistant	-	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
1 Triad	1	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	3 Wire RTDs	Flame Retardant	Above Ground	1
6 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	3 Wire RTDs	Flame Retardant	Above Ground	68018
12 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	3 Wire RTDs	Flame Retardant	Above Ground	1
16 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	3 Wire RTDs	Flame Retardant	Above Ground	1
1 Triad	1	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath:NA,Unarmored, Outer SheathLSZH	3 Wire RTDs	Flame Retardant	-	1
6 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath:NA,Unarmored, Outer Sheath:LSZH	3 Wire RTDs	Flame Retardant	-	1
12 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath:NA,Unarmored, Outer Sheath:LSZH	3 Wire RTDs	Flame Retardant	-	1
16 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath:NA,Unarmored, Outer Sheath:LSZH	3 Wire RTDs	Flame Retardant	-	1
1 Triad	1	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	3 Wire RTDs -SIS	Fire Resistant	Above Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
6 Triad	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA / XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	3 Wire RTDs -SIS	Fire Resistant	Above Ground	1
12 Triad	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA / XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	3 Wire RTDs -SIS	Fire Resistant	Above Ground	1
16 Triad	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA / XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	3 Wire RTDs -SIS	Fire Resistant	Above Ground	1
1 Triad	1	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA / XLPE,Inner seath:NA,Unarmored, Outer Sheath: LSZH	3 Wire RTDs -SIS	Flame Retardant	-	1
6 Triad	1	Fire Resistant- IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA / XLPE,Inner seath: NA, Unarmored, Outer Sheath:LSZH	3 Wire RTDs -SIS	Flame Retardant	-	1
12 Triad	1	Fire Resistant- IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA / XLPE,Inner seath: NA, Unarmored, Outer Sheath:LSZH	3 Wire RTDs -SIS	Flame Retardant	-	1
16 Triad	1	Fire Resistant- IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA / XLPE,Inner seath: NA, Unarmored, Outer Sheath:LSZH	3 Wire RTDs -SIS	Flame Retardant	-	1
1 Triad	1	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/PVC,Steel Wire Armored, Outer Sheath:PVC	3 Wire RTDs	Flame Retardant	Under Ground	1
6 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	3 Wire RTDs	Flame Retardant	Under Ground	5773

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
12 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	3 Wire RTDs	Flame Retardant	Under Ground	1
16 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	3 Wire RTDs	Flame Retardant	Under Ground	1
1 Triad	1	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: Mica / XLPE,Inner seath: AL/HDPE/PA/PVC,Steel Wire Armored, Outer Sheath:PVC	3 Wire RTDs -SIS	Fire Resistant	Under Ground	1
6 Triad	1	Fire Resistant- IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA / XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	3 Wire RTDs -SIS	Fire Resistant	Under Ground	1
12 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA / XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	3 Wire RTDs -SIS	Fire Resistant	Under Ground	1
16 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA / XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	3 Wire RTDs -SIS	Fire Resistant	Under Ground	1
1 Pair	1,3 (16 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"K" type Thermocouple Extension cable	Flame Retardant	Above Ground	1
6 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"K" type Thermocouple Extension cable	Flame Retardant	Above Ground	1
12 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"K" type Thermocouple Extension cable	Flame Retardant	Above Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
24 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"K" type Thermocouple Extension cable	Flame Retardant	Above Ground	1
1 Pair	1,3 (16 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA//LSZH,Steel Wire Armored, Outer Sheath:LSZH	"K" type Thermocouple Extension cable	Flame Retardant	Under Ground	1
6 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA//LSZH,Steel Wire Armored, Outer Sheath:LSZH	"K" type Thermocouple Extension cable	Flame Retardant	Under Ground	1
12 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA//LSZH,Steel Wire Armored, Outer Sheath:LSZH	"K" type Thermocouple Extension cable	Flame Retardant	Under Ground	1
24 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA//LSZH,Steel Wire Armored, Outer Sheath:LSZH	"K" type Thermocouple Extension cable	Flame Retardant	Under Ground	1
1 Pair	1,3 (16 AWG)	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:Green / White, Insulation Materails: Mica/XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"K" type Thermocouple Extension cable - SIS	Fire Resistant	Above Ground	1
6 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: MICA/ XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"K" type Thermocouple Extension cable - SIS	Fire Resistant	Above Ground	1
12 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: MICA/ XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"K" type Thermocouple Extension cable - SIS	Fire Resistant	Above Ground	1
24 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: MICA/ XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"K" type Thermocouple	Fire Resistant	Above Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
			Extension cable - SIS			
1 Pair	1,3 (16 AWG)	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:Green / White, Insulation Materails: Mica/XLPE,Inner seath: AL/HDPE/PA//LSZH,Steel Wire Armored, Outer Sheath:LSZH	"K" type Thermocouple Extension cable - SIS	Fire Resistant	Under Ground	1
6 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: MICA/ XLPE,Inner seath: AL/HDPE/PA//LSZH,Steel Wire Armored, Outer Sheath:LSZH	"K" type Thermocouple Extension cable - SIS	Fire Resistant	Under Ground	1
12 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: MICA/ XLPE,Inner seath: AL/HDPE/PA//LSZH,Steel Wire Armored, Outer Sheath:LSZH	"K" type Thermocouple Extension cable - SIS	Fire Resistant	Under Ground	1
24 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Green / White, Insulation Materails: MICA/ XLPE,Inner seath: AL/HDPE/PA//LSZH,Steel Wire Armored, Outer Sheath:LSZH	"K" type Thermocouple Extension cable - SIS	Fire Resistant	Under Ground	1
1 Pair	1,3 (16 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"N" type Thermocouple Extension cable	Flame Retardant	Above Ground	1
6 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"N" type Thermocouple Extension cable	Flame Retardant	Above Ground	1
12 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"N" type Thermocouple Extension cable	Flame Retardant	Above Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
24 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"N" type Thermocouple Extension cable	Flame Retardant	Above Ground	1
1 Pair	1,3 (16 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA//LSZH,Steel Wire Armored, Outer Sheath:LSZH	"N" type Thermocouple Extension cable	Flame Retardant	Under Ground	1
6 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"N" type Thermocouple Extension cable	Flame Retardant	Under Ground	1
12 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"N" type Thermocouple Extension cable	Flame Retardant	Under Ground	1
24 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"N" type Thermocouple Extension cable	Flame Retardant	Under Ground	1
1 Pair	1,3 (16 AWG)	Fire Resistant- IEC 60331,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: Mica/XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"N" type Thermocouple Extension cable - SIS	Fire Resistant	Above Ground	1
6 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: MICA / XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"N" type Thermocouple Extension cable - SIS	Flame Retardant	Above Ground	1
12 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: MICA / XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"N" type Thermocouple Extension cable - SIS	Flame Retardant	Above Ground	1
24 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: MICA / XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"N" type Thermocouple	Flame Retardant	Above Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
			Extension cable - SIS			
1 Pair	1,3 (16 AWG)	Fire Resistant- IEC 60331,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: Mica/XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"N" type Thermocouple Extension cable - SIS	Fire Resistant	Under Ground	1
6 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: MICA / XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"N" type Thermocouple Extension cable - SIS	Flame Retardant	Under Ground	1
12 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: MICA / XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"N" type Thermocouple Extension cable - SIS	Flame Retardant	Under Ground	1
24 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Orange / White, Insulation Materails: MICA / XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"N" type Thermocouple Extension cable - SIS	Flame Retardant	Under Ground	1
1 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"R" type Thermocouple Extension cable	Flame Retardant	Above Ground	1
6 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"R" type Thermocouple Extension cable	Flame Retardant	Above Ground	1
12 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"R" type Thermocouple Extension cable	Flame Retardant	Above Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
24 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"R" type Thermocouple Extension cable	Flame Retardant	Above Ground	1
1 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: XLPE,Inner seath: AL/HDPE/AL/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"R" type Thermocouple Extension cable	Flame Retardant	Under Ground	1
6 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: XLPE,Inner seath: AL/HDPE/AL/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"R" type Thermocouple Extension cable	Flame Retardant	Under Ground	1
12 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: XLPE,Inner seath: AL/HDPE/AL/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"R" type Thermocouple Extension cable	Flame Retardant	Under Ground	1
24 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: XLPE,Inner seath: AL/HDPE/AL/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"R" type Thermocouple Extension cable	Flame Retardant	Under Ground	1
1 Pair	0,5 (20 AWG)	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: Mica/XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"R" type Thermocouple Extension cable - SIS	Fire Resistant	Above Ground	1
6 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: MICA / XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"R" type Thermocouple Extension cable - SIS	Flame Retardant	Above Ground	1
12 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: MICA / XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"R" type Thermocouple Extension cable - SIS	Flame Retardant	Above Ground	1
24 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: MICA / XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	"R" type Thermocouple	Flame Retardant	Above Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
			Extension cable - SIS			
1 Pair	0,5 (20 AWG)	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: Mica/XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"R" type Thermocouple Extension cable - SIS	Fire Resistant	Under Ground	1
6 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: MICA / XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"R" type Thermocouple Extension cable - SIS	Flame Retardant	Under Ground	1
12 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: MICA / XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"R" type Thermocouple Extension cable - SIS	Flame Retardant	Under Ground	1
24 Pair	0,5 (20 AWG)	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:Pink / White, Insulation Materails: MICA / XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	"R" type Thermocouple Extension cable - SIS	Flame Retardant	Under Ground	1
1 Triad	1	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	Vibration Sensors	Flame Retardant	Above Ground	1
2 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	Vibration Sensors	Flame Retardant	Above Ground	1
6 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	Vibration Sensors	Flame Retardant	Above Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
12 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	Vibration Sensors	Flame Retardant	Above Ground	1
16 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	Vibration Sensors	Flame Retardant	Above Ground	1
1 Triad	1	Flame Retardant - IEC 60332,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/PVC,Steel Wire Armored, Outer Sheath:PVC	Vibration Sensors	Flame Retardant	Under Ground	1
2 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/PVC,Steel Wire Armored, Outer Sheath:PVC	Vibration Sensors	Flame Retardant	Under Ground	1
6 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	Vibration Sensors	Flame Retardant	Under Ground	1
12 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	Vibration Sensors	Flame Retardant	Under Ground	1
16 Triad	1	Flame Retardant - IEC 60332,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	Vibration Sensors	Flame Retardant	Under Ground	1
1 Triad	1	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	F&G Detectors (Out door)	Fire Resistant	Above Ground	5404,3
6 Triad	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath: LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Above Ground	14299,04

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
12 Triad	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Above Ground	12438,72
16 Triad	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Above Ground	4009,6
1 Triad	2,5	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	F&G Detectors (Out door)	Fire Resistant	Above Ground	1
6 Triad	2,5	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Above Ground	1
12 Triad	2,5	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Above Ground	1
16 Triad	2,5	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Above Ground	1
1 Triad	4	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	F&G Detectors (Out door)	Fire Resistant	Above Ground	1
6 Triad	4	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Above Ground	1
12 Triad	4	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Above Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
16 Triad	4	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Above Ground	1
1 Triad	1	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Under Ground	1
6 Triad	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Under Ground	1
12 Triad	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Under Ground	1
16 Triad	1	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Under Ground	1
1 Triad	2,5	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:AL/HDPE/PA/PVC,Steel Wire Armored, Outer Sheath:PVC	F&G Detectors (Out door)	Fire Resistant	Under Ground	1
6 Triad	2,5	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Under Ground	1
12 Triad	2,5	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Under Ground	1
16 Triad	2,5	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath:AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Under Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
1 Triad	4	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath: AL/HDPE/PA/PVC,Steel Wire Armored, Outer Sheath:PVC	F&G Detectors (Out door)	Fire Resistant	Under Ground	1
6 Triad	4	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Under Ground	1
12 Triad	4	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Under Ground	1
16 Triad	4	Fire Resistant - IEC 60331,Individual & Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath: AL/HDPE/PA/LSZH,Steel Wire Armored, Outer Sheath:LSZH	F&G Detectors (Out door)	Fire Resistant	Under Ground	1
1 Triad	1	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath: NA,Un-armoured, Outer Sheath:LSZH	Indoor Building Cables	Fire Resistant	-	1
1 Pair	BELDEN 9841 (16 AWG)	#N/A	Serial Communiation (Outdoor)			9580,48
2 Pair	BELDEN 9842 (16 AWG)	#N/A	Serial Communiation (Outdoor)			1
2 Pair	BELDEN 3107A (22 AWG)	#N/A	Serial Communiation (Indoor)			1
1 Triad	1	Fire Resistant - IEC 60331,Overall Screen, Insulation Colour:White / Black / Red, Insulation Materails: MICA/XLPE,Inner seath: PVC,Steel Wire Armored, Outer Sheath:PVC	SIS: 3 Wire RTD	Fire Resistant	Above Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
4 Pair	0.5 (24 AWG)	Fire Resistant - IEC 60331, Overall Screen, Insulation Colour: White-Blue/Blue, White-Orange/Orange, White-Green/Green, White-Brown/Brown, Insulation Materials: MICA/XLPE, Inner sheath: LSZH, Un-armoured, Outer Sheath: LSZH	Building indoor communication for Telecom Equipment	Fire Resistant	-	1
4 Pair	0.5 (24 AWG)	Fire Resistant - IEC 60331, Overall Screen, Insulation Colour: White-Blue/Blue, White-Orange/Orange, White-Green/Green, White-Brown/Brown, Insulation Materials: MICA/XLPE, Inner sheath: LSZH, Un-armoured, Outer Sheath: LSZH	Building indoor communication for Telecom Equipment	Fire Resistant	-	1
1 Pair	2,5	Fire Resistant - IEC 60331, Individual & Overall Screen, Insulation Colour: Red / Black, Insulation Materials: MICA/XLPE, Inner sheath: LSZH, Un-armoured, Outer Sheath: LSZH	PAGA indoor speaker cable	Fire Resistant		1
2 Pair	2,5	Fire Resistant - IEC 60331, Individual & Overall Screen, Insulation Colour: Red / Black, Insulation Materials: MICA/XLPE, Inner sheath: LSZH, Un-armoured, Outer Sheath: LSZH	PAGA indoor speaker cable	Fire Resistant		1
1 Pair	2,5	Fire Resistant - IEC 60331, Individual & Overall Screen, Insulation Colour: Red / Black, Insulation Materials: MICA/XLPE, Inner sheath: LSZH, Steel Wire Armored, Outer Sheath: LSZH	PAGA outdoor speaker cable	Fire Resistant	Above Ground	12330
2 Pair	2,5	Fire Resistant - IEC 60331, Individual & Overall Screen, Insulation Colour: Red / Black, Insulation Materials: MICA/XLPE, Inner sheath: LSZH, Steel Wire Armored, Outer Sheath: LSZH	PAGA outdoor speaker cable	Fire Resistant	Above Ground	1630
12 Pair	4	Fire Resistant - IEC 60331, Individual & Overall Screen, Insulation Colour: Red / Black, Insulation Materials: MICA/XLPE, Inner sheath: LSZH, Steel Wire Armored, Outer Sheath: LSZH	PAGA outdoor speaker cable	Fire Resistant	Above Ground	880
3 Core	4	Fire Resistant - IEC 60331, Individual & Overall Screen, Insulation Colour: Red / Black, Insulation Materials: MICA/XLPE, Inner sheath: AL/HDPE/PA/LSZH, Steel Wire Armored, Outer Sheath: LSZH	PAGA Beacon	Fire Resistant	Under Ground	450
3 Core	2,5	Fire Resistant - IEC 60331, Insulation Colour: Brown/Light Blue / Green Yellow , Insulation Materials: MICA/XLPE, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: PVC	AC Power cable	Fire Resistant	Above Ground	64818,88

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
2 Core	2,5	Fire Resistant - IEC 60331, Insulation Colour: Red / Black , Insulation Materials: MICA/XLPE, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: PVC	DC Power cable	Fire Resistant	Above Ground	1
3 Core	2,5	Flame Retardant - IEC 60332, Insulation Colour: Brown/Light Blue / Green Yellow , Insulation Materials: XLPE, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: PVC	AC Power cable	Flame Retardent	Above Ground	1
2 Core	2,5	Flame Retardant - IEC 60332, Insulation Colour: Red / Black , Insulation Materials: XLPE, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: PVC	DC Power cable	Flame Retardent	Above Ground	1
3 Core	2,5	Fire Resistant - IEC 60331, Insulation Colour: Brown/Light Blue / Green Yellow , Insulation Materials: LSZH, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: LSZH	AC Power cable	Fire Resistant	Below Ground	37210
2 Core	2,5	Fire Resistant - IEC 60331, Insulation Colour: Red / Black , Insulation Materials: MICA/XLPE, Inner sheath: LSZH, Steel Wire Armored, Outer Sheath: LSZH	DC Power cable	Fire Resistant	Below Ground	1
3 Core	2,5	Flame Retardant - IEC 60332, Insulation Colour: Brown/Light Blue / Green Yellow , Insulation Materials: LSZH, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: LSZH	AC Power cable	Flame Retardent	Below Ground	1
2 Core	2,5	Flame Retardant - IEC 60332, Insulation Colour: Red / Black , Insulation Materials: XLPE, Inner sheath: LSZH, Steel Wire Armored, Outer Sheath: LSZH	DC Power cable	Flame Retardent	Below Ground	1
3 Core	2,5	Fire Resistant - IEC 60331, Insulation Colour: Brown/Light Blue / Green Yellow , Insulation Materials: MICA/XLPE, Inner sheath: NA, Unarmored, Outer Sheath:LSZH	AC Power cable	Fire Resistant	-	1
2 Core	2,5	Fire Resistant - IEC 60331, Insulation Colour: Red / Black , Insulation Materials: MICA/XLPE, Inner sheath: NA, Unarmored, Outer Sheath: LSZH	DC Power cable	Fire Resistant	-	1
3 Core	2,5	Flame Retardant - IEC 60332, Insulation Colour: Brown/Light Blue / Green Yellow , Insulation Materials: XLPE, Inner sheath: NA, Unarmored, Outer Sheath: LSZH	AC Power cable	Flame Retardent	-	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
2 Core	2,5	Flame Retardant - IEC 60332, Insulation Colour: Red / Black , Insulation Materials: XLPE, Inner sheath: NA, Unarmored, Outer Sheath: LSZH	DC Power cable	Flame Retardent	-	1
3 Core	4	Fire Resistant - IEC 60331, Insulation Colour: Brown/Light Blue / Green Yellow , Insulation Materials: MICA/XLPE, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: PVC	AC Power cable	Fire Resistant	Above Ground	36142,4
2 Core	4	Fire Resistant - IEC 60331, Insulation Colour: Red / Black , Insulation Materials: MICA/XLPE, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: PVC	DC Power cable	Fire Resistant	Above Ground	1
3 Core	4	Flame Retardant - IEC 60332, Insulation Colour: Brown/Light Blue / Green Yellow , Insulation Materials: XLPE, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: PVC	AC Power cable	Flame Retardent	Above Ground	1
2 Core	4	Flame Retardant - IEC 60332, Insulation Colour: Red / Black , Insulation Materials: XLPE, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: PVC	DC Power cable	Flame Retardent	Above Ground	1
3 Core	4	Fire Resistant - IEC 60331, Insulation Colour: Brown/Light Blue / Green Yellow , Insulation Materials: MICA/XLPE, Inner sheath: NA, Unarmored, Outer Sheath: LSZH	AC Power cable	Fire Resistant	-	1
2 Core	4	Fire Resistant - IEC 60331, Insulation Colour: Red / Black , Insulation Materials: MICA/XLPE, Inner sheath: NA, Unarmored, Outer Sheath:LSZH	DC Power cable	Fire Resistant	-	1
3 Core	4	Flame Retardant - IEC 60332, Insulation Colour: Brown/Light Blue / Green Yellow , Insulation Materials: XLPE, Inner sheath: PVC, Unarmored, Outer Sheath: PVC	AC Power cable	Flame Retardent	-	1
2 Core	4	Flame Retardant - IEC 60332, Insulation Colour: Red / Black , Insulation Materials: XLPE, Inner sheath: PVC, Unarmored, Outer Sheath: PVC	DC Power cable	Flame Retardent	-	1
3 Core	4	Fire Resistant - IEC 60331, Insulation Colour: Brown/Light Blue / Green Yellow , Insulation Materials: LSZH, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: LSZH	AC Power cable	Fire Resistant	Below Ground	1

SCOPE OF SUPPLY						
Core / Pair/ Triad	Conductor Size(mm2)	Cable Construction Description	Service	Flame retardent or Fire resistant	Under/Above Ground	Approx. QUANTITY
2 Core	4	Fire Resistant - IEC 60331, Insulation Colour: Red / Black , Insulation Materials: MICA/XLPE, Inner sheath: LSZH, Steel Wire Armored, Outer Sheath: LSZH	DC Power cable	Fire Resistant	Below Ground	1
3 Core	4	Flame Retardant - IEC 60332, Insulation Colour: Brown/Light Blue / Green Yellow , Insulation Materials: LSZH, Inner sheath: PVC, Steel Wire Armored, Outer Sheath: LSZH	AC Power cable	Flame Retardent	Below Ground	1
2 Core	4	Flame Retardant - IEC 60332, Insulation Colour: Red / Black , Insulation Materials: XLPE, Inner sheath: LSZH, Steel Wire Armored, Outer Sheath: LSZH	DC Power cable	Flame Retardent	Below Ground	1
1 Core	6	Insulation : PVC	Grounding Cable	Flame Retardent	Below Ground	1
1 Core	6	Insulation : LSZH	Grounding Cable	Flame Retardent	Below Ground	1
1 Core	10	Insulation : PVC	Grounding Cable	Flame Retardent	Below Ground	1
1 Core	10	Insulation : LSZH	Grounding Cable	Flame Retardent	Below Ground	1
1 Core	16	Insulation : PVC	Grounding Cable	Flame Retardent	Below Ground	1
1 Core	16	Insulation : LSZH	Grounding Cable	Flame Retardent	Below Ground	1