Instrumentation 24x2x1.5 mm ^{2} 250V F/FTP SHF2 FIRE RESISTANT Thermocouple Extension Type KX

Part Number: **8MG0474105**

Applications:	Offshore installations, Maritime Environment, Outdoor, Indoor
General Construction:	24 individually shielded twisted pairs are cabled together, overall foil shielded and SHF2 jacketed. All materials are cross linked, low smoke & halogen free. This is a fire resistant cable designed to work during a fire.
Outer Jacket Material:	XL-HFFR
Outer Diameter:	35.5 mm nom.
Weight:	1505 kg/km

Design & Materials

Thermocouple Type:	KX
Conductor Material:	Thermocouple
Conductor Cross Section:	1.5 mm²
Conductor Construction:	7x0.53 mm
Insulation Material:	XL-HFFR + Fire Resistant Tape
Insulation O.D.:	2.8 mm nom.
Conductor unit identification:	Numbered
Conductor Color Code:	Red x Yellow
Ind. Shield Material:	Aluminum/Polyester Foil
Ind. Shield Design:	100% Coverage
Drain-wire 1 Material:	Annealed Tinned Copper
Drain-wire 1 Construction:	Stranded
Drain-wire 1 size:	18 AWG
Overall Shield Design:	100% Coverage
Overall Shield Material:	Aluminum/Polyester Foil
Overall Drain-wire Material:	Annealed Tinned Copper
Overall Drain-wire size:	16 AWG
Overall Drain-wire Construction:	Stranded
Total number of conductors:	48
Total number of conductor units:	24
Rip-Cord:	Yes
Outer Jacket Thickness:	2.0 mm nom.
Outer Jacket Color:	Yellow with Red strip
Marking:	Per request

Standards

Applicable Standards:	DNV-GL certified, ABS certified, IEC 60092-376, IEC 60092-359, IEC 60092-350, IEC 60092-351, IEC 60228, IEC 60811-2-1, RoHS-2 2011/65/EU
Flamability Rating:	IEC 60331, IEC 60332-3 , IEC 60754-1/2, IEC 61034-1/2

Performance

Dielectric Strength:	1500 V/minute
Dielectric Strength to Shield:	1000 V/minute
Voltage Rating:	250 V
Min. Bend Radius:	Dx6 mm
Max. Operating Temperature:	+125 °C
Min. Operating Temperature:	-40 °C
UV resistance:	Yes
Fire resistance:	Yes

Prepared By	Revised By	Version Num	Modified on
Roee Ran	Roee Ran	1.5	18-01-2015