

YJ57084

Foundation Fieldbus/Profibus PA Application



DESCRIPTION:

1 pair 18AWG, stranded tinned copper conductors, PO insulation, overall foil shield with tinned copper drain wire, PET Separator tape, overall PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
Conductor Stranding	7/26
Cross-sectional Area	18 AWG
Conductor Material	TC – Tinned Copper

INSULATION:

Insulation Material	PO – Polyolefin
Nom. Insulation Diameter	2.2 mm

OVERALL CABLING:

Overall Cabling Lay Length	63 mm
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OVERALL SHIELD:

Overall Shield Type	Tape
Overall Shield Material	Aluminum Foil Polyester Tape
Overall Shield Coverage (%)	100
Drain Wire Conductor Material	TC - Tinned Copper
Overall Separator Trade Name	Separator
Overall Separator Material	PET - Polyester Tape
Overall Separator Coverage (%)	100

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Nom. Outer Jacket Wall Thickness	1.1 mm

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	7.0 mm
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MECHANICAL CHARACTERISTICS:

Temperature Rating	- 20°C To + 70°C
Min. bending radius	15 x Cable Diameter

Detailed Specifications & Technical Data



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APPLICABLE STANDARDS:

EU RoHS Compliant (Y/N)	Y
EU RoHS Compliance Date	June 2007
Electrical Characteristics	IEC 61158-2

FLAME TEST:

Flame Test	IEC 60332-1
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS ACCORDING TO IEC 61158-2

Max. Conductor DC Resistance	23.2 Ω/km
Impedance@ 31.25KHz	100 ± 20 Ω
Nom. Mutual capacitance core-core @1KHz	78.7 pF/m
Max. Capacitance Unbalance	3.94 pF/m
Nom. Mutual capacitance core-shield @1KHz	147.6 pF/m
Nom. Velocity of Propagation	66 %
Max. Attenuation @ 39KHz	0.3 dB/100m
Voltage Rating	300V

PUT-UPS AND COLORS:

Item	Description	Put-Up (M)	Cable Weight (kg)	Jacket Color
YJ57084 003 500M	1P #18 PP SH PVC	500	33	Orange
YJ57084 003 1000M	1P #18 PP SH PVC	1000	67	Orange
YJ57084 003 1500M	1P #18 PP SH PVC	1500	100	Orange

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