

YJ57083

Profibus DP Application



DESCRIPTION

22 AWG solid (1x22) bare copper conductors, FHDPE insulation, overall Beldfoil® shielded, tinned copper braid, overall PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	2
Nom. Conductor Stranding	1/0.65 mm
Nominal Conductor Gauge	22 AWG
Conductor Material	BC – Bare Copper

INSULATION:

Insulation Material	FHDPE – Foam High Density Polyethylene
Nom. Insulation Diameter	2.5 mm

OVERALL CABLING:

Overall Cabling Lay:	70 mm
Color Code Chart	1 Red 2 Green

OVERALL SHIELD:

Overall Shield Type – Layer 1	Tape
Overall Shield Material – Layer 1	Aluminum Foil Polyester Tape
Overall Shield Coverage (%) – Layer 1	100
Overall Shield Type – Layer 2	Braid
Overall Shield Material – Layer 2	Tinned Copper
Overall Shield Coverage (%) – Layer 2	Nom. 55

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Nom. Outer Jacket Wall Thickness	1.0 mm

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	7.8 mm
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MECHANICAL CHARACTERISTICS:

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

APPLICABLE SPECIFICATION AGENCY COMPLIANCE:

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APPLICABLE STANDARDS:

EU RoHS Compliant (Y/N)	Y
EU RoHS Compliance Date	June 2007

FLAME TEST:

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

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Conductor DC Resistance @ 20°C	16 Ω/kft
Nom. Capacitance Conductor to Conductor	8.5 pF/ft
Nom. Impedance (3MHz ~ 20MHz)	150 +/- 15 Ohms
Nom. Velocity of Propagation	78 %
Max. Attenuation @ 0.2 MHz	1.10 dB/100mtr
Max. Attenuation @ 4 MHz	2.65 dB/100mtr
Max. Attenuation @ 16 MHz	5.40 dB/100mtr
Max. Operating Voltage	300 V

PUT-UPS AND COLORS:

Item	Description	Put-Up (M)	Ship Weight (kg)	Jacket Color
YJ57083 007500M	1 PR #22 FRFPE FRPE SH PVC	500	34	Violet
YJ57083 0071000M	1 PR #22 FRFPE FRPE SH PVC	1000	67	Violet
YJ57083 0071500M	1 PR #22 FRFPE FRPE SH PVC	1500	100	Violet

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