

YJ47052

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Multi-Conductor PROFIBUS CABLE



For more information
please call

1-800-Belden1



22 AWG Solid Bare Copper Conductor, Foam polyethylene insulation, twisted pair, overall Beldfoil® plus a tinned copper Braid shield(65% coverage), PVC jacket

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	2
Conductor Stranding	1/0.66mm
Conductor Material	BC – Bare Copper

INSULATION:

Insulation Material	FPE-Foam polyethylene
Nom. Insulation Diameter of	2.50 mm

OVERALL CABLING:

Overall Cabling Lay Length	70 mm
Overall Cabling Color Code Chart:	Green*Red
Overall Shield Type	Tape
Overall Shield Material	AL-Aluminum Foil-Polyester Tape

Overall Shield Coverage (%)	100
Overall Shield Type	Braiding
Overall Shield Material	TC – Tinned Copper
Overall Shield Coverage (%)	65% Nom.

OUTER JACKET:

Outer Jacket Material	PVC –Polyvinyl Chloride
Nom. Outer Jacket Wall Thickness	1.00 mm

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	8.00 mm
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	- 20°C To + 75°C
Temperature Rating	+ 75°C @ maximum voltage

Voltage Rating	300V @ maximum temperature
Bulk Cable Weight	72 kg/km

APPLICABLE SPECIFICATION AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

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

FLAME TEST:

Flame Test	VW-1
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Conductor DC Resistance @ 20°C	16.0 Ω/1000FT
Max. continues current per conductor (25°C)	2.3 A
Nom. Mutual Capacitance @ 1KHz	19.5 pF/FT
Nom. Inductance	0.282 μH/FT
Nom. Impedance @3~20MHz	150 Ω
Nom. Velocity of propagation	78 %
Attenuation	

Frequency	Attenuation (dB/100ft) Nom.	Attenuation (dB/100m) Max.
0.20	0.27	1.10
4.00	0.67	2.65
16.00	1.37	5.40

Test voltage cond.~cond.(DC)	2.5 kv/3s
Test voltage cond.~screen(DC)	1.5 kv/3s
Min. bengding radius	10xCable diameter

PUT-UPS AND COLORS:

Item	Description	Put-Up (metre)	Ship Weight (kg)	Jacket Color
YJ47052 0601000	1Pair 22AWG SHIELED FPE/PVC	305	24.5	CHROME
YJ47052 0071640	1Pair 22AWG SHIELED FPE/PVC	500	38.0	VIOLET
YJ47052 0073280	1Pair 22AWG SHIELED FPE/PVC	1000	78.0	VIOLET