


Profibus hybrid cable ZB3300

Technical data	
a) Wire LIY 0.75/1.7	Stranded bare copper wire 24 X 0.2, Ø 1.15 mm Insulation of Polyvinylchloride (PVC), Ø 1.7 mm Wall thickness about 0.28 mm
b) Wire 02YS 0.25/2.56 LI	Stranded bare copper wire 19 X 0.13: Ø 0.65 mm Insulation of foamed Polyethylen (PE), Ø 2.56 mm
c) Pair LI02Y 1S2S0.25	2 wires to b) RD and GN twisted to a pair Plastic tape, overlapped, Ø 5.3 mm
Core	1 pair to c) RD/GN 3 wires to a) BU, BK and GNYE filler: polyester yarn Plastic tape, overlapped Shield braiding of tinner copper wires 0.15 mm dia Coverage about 85%, Ø 6.4 mm
Jacket	Polyurethane (PUR) PETROL (TQ) Wall thickness about 0.8 mm, Ø (8.0 ±0.4) mm
Electrical data at 20°C	
Conductor resistance (wire to a)	≤ 26 Ohm/km
Conductor resistance (wire to b)	≤ 84 Ohm/km
Insulation resistance	≥ 20 MOhm*km
Capacitance (1 KHz)	≈ 30 nF/km (value for pair to c))
Characteristic impedance (3-20 MHz)	135 – 165 Ohm (value for pair to c))
Attenuation (0.2 MHz)	≤ 0.6 dB/100m (value for pair to c))
Operating voltage (peak)	≤ 300 V
Test voltage (wire/wire/screen rms 50Hz 1min)	2000 V
Mechanical and thermal characteristics	
Flametest	acc. to IEC 60332-1-2
Oil resistance	acc. to VDE 0472 T.803/B
UL-Style 20351	
Application / Special feature	
RoHS compliant	
Permissible temperature range	-5°C up to +60°C
min. bending diameter allowed	single 7.5XØ
Trailing cable for following requirements	- 1 million bending cycles - bending radius 15x max. Ø