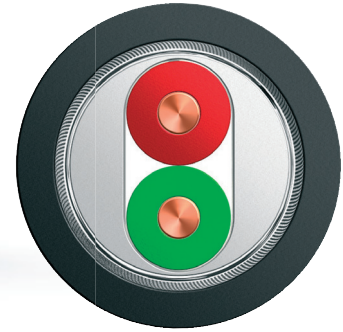


Profibus PA ES Cable for permanent Installation



Part Number	Type	Colour
L45467-J20-C105	Standard	Black
L45467-J20-C95	Intrinsically Safe	Blue
L45467-J20-C185	Orange	Orange

Application	Cable Construction		
Profibus PA EasyStrip for permanent installation. UL Listed: CMG and CL3	Conductor:	Solid Bare Copper Wire, 18awg	Ø 1.05 mm
	Insulation:	Foamed Polyethylene (PE) with skin	Ø 2.55 mm
	Colour Code:	Red, Green twisted pair, Plastic tape overlapped	
	EasyStrip	Soft Polyvinylchloride (PVC)	Ø 5.4 mm
	Screen	-Longitudinal Alulaminat foil	100% coverage
	Shield	-Tinned copper wire braid, 0.15mm	90% coverage
	Outer Jacket	Polyvinylchloride (PVC), 0.9mm wall thickness	Ø 8.0 ± 0.4 mm
Electrical Data			
	Conductor resistance		≤ 22 Ω/km
	Insulation resistance		≥ 10 MΩ*km
	Capacitance (1KHz wire/wire)		≈ 50 nF/km
	Capacitance (1KHz wire/screen)		≈ 92 nF/km
	Operating voltage		100 V
	UL-Rating		600 V
	Test voltage (wire/wire/screen rms 50Hz 1min)		2000 V
	Characteristic impedance	31.25 kHz	100 ± 20 Ω
	Attenuation	39 kHz	≤ 3 dB/km
	Capacitance unbalance e		≤ 2 nF/km
	Inductance	31.25 kHz	650 µH/km
	Surface transfer impedance	20 MHz	≤ 5 mΩ/m
	Rel. Velocity of propagation		≈ 81 %

Mechanical & Thermal Characteristics

Conductor material	acc. to DIN EN 13602 Cu-ETP-A
Screen material	acc. to DIN EN 13602 Cu-ETP-A...-B
Insulating material	acc. to DIN EN 50290-2-23 (VDE 0819), table 2/A (HD 624.3)
Jacket material	acc. to DIN VDE 0207, Compoundtype YM5
Oil resistant	acc. to UL 758 Sec. 15 (60°C)
Flame retardant	acc. to UL 1685 (CSA FT 4)
Flame retardant	acc. to IEC 60332-1-2
Sunlight resistant	acc. to UL 1581 Sec.1200
Permissible Temp. range:	-20°C up to +80°C
Min. Bending radius allowed:	repeated 10 x Ø, single 5 x Ø
Tensile strength	≤ 150 N
Weight about	103 kg/km