

Technical data



V 1.0 07.04.00

Cable for Profibus, outdoor				
BUS 4000-C-PE 2 x 0.64 mm				
02Y(St)CY2Y – Can be laid in the open and directly in the earth, UV resistant				
Design description				
Wire	Copper-stranded insulated, diameter = 0.64 mm (AWG 22/1)			
Wire insulation	02Y (Cell-PE)			
Wire diameter	Approximately 2.54 mm			
Wire colours	Red, green			
Filler	Polyester			
1 st shielding	PT-AL foil, metal side on outside			
2 nd shielding	Tin-coated, copper-braided			
Inner coating	PVC			
Outer coating	PE, black			
Outer diameter	Approximately 10.2 mm			
Electrical values:				
Attenuation at	16 MHz	4 MHz	38.4 kHz	9.6 kHz
	< 45 dB/km	< 22 dB/km	< 5 dB/km	< 3 dB/km
Impedance at	3...20 MHz		38.4 kHz	9.6 kHz
	150 Ω ± 15		185 Ω ± 18.5	270 Ω ± 27
Wire resistance	57.1 Ω/km			
Operating voltage	≤ 100 V			
Bending radius	One-time		Multiple times	
	≥ 75 mm		≥ 150 mm (not continuous)	

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V 1.0 07.04.00

Cable for Profibus, indoor				
BUS 4000-C-PVC 2 x 0.64 mm				
02YS(St)CY – Standard type for interior usage				
Design description				
Wire	Copper-stranded insulated, diameter = 0.64 mm (AWG 22/1)			
Wire insulation	02YS (foam skin)			
Wire diameter	Approximately 2.54 mm			
Wire colours	Red, green			
Filler	Polyester			
1 st shielding	PT-AL foil, metal side on outside			
2 nd shielding	Tin-coated, copper-braided			
Inner coating	PVC			
Outer coating	PVC, violet or blue for I.S. Profibus			
Outer diameter	Approximately 7.8 mm			
Electrical values:				
Attenuation at	20 MHz	3 MHz	38.4 kHz	9.6 kHz
	< 47 dB/km	< 18.2 dB/km	< 3.1 dB/km	< 2.1 dB/km
Impedance at	3...20 MHz	38.4 kHz	9.6 kHz	
	150 Ω ± 15	185 Ω ± 18.5	270 Ω ± 27	
Wire resistance	57.1 Ω/km			
Operating voltage	≤ 100 V			
Bending radius	One-time		Multiple times	
	> 62.4 mm (installation 8 x D)		> 117 mm (fixed 15 x D)	