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Item details

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Item description

G_02233-01

A - Preferred type

Description	Single screened coaxial cable		
Item number	22510114		
Item parent ID	G_02233-01		
2002/95/EC (RoHS)	<input checked="" type="checkbox"/> compliant		
Phase	Production	Publication Status	WWW 

Cable design

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	Material	Detail	Diameter
Inner conductor	Steel, Copper plated	Wire	0.24 mm
Dielectric	PE		1.5 mm
Outer conductor	Copper	Braid - 96% coverage	2 mm
Jacket	PVC	RAL 9005 - bk	2.8 mm
Tolerance of jacket			± 0.1 mm

Electrical data

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Operating Frequency		≤ 1 GHz
Nom. attenuation	Coefficient a	0.8588
	Coefficient b	0.0352
Max. attenuation	Coefficient a	0.9446
	Coefficient b	0.0387
CW Power		
Impedance		75 ± 3 Ω
Capacitance		67 pF/m
Propagation Velocity		66 % of c
Signal Delay		5.03 ns/m
Insulation Resist		>100000000 MΩm
Test Voltage		2 kV _{rms}
Operating Voltage	at sea level	1 kV _{rms}
Screen Effectiveness	0.01 ... 1 GHz	38 dB

General data

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Operating Temp min		-25 °C
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Operating Temp max	85 °C
Installation Temp min	-20 °C
Installation Temp max	60 °C
Weight	1.3 kg/100m
Static Bend Radius	15 mm
Dynamic Bend Radius	42 mm

Suitable connectors, grounding kits and installation material

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Cable groups	Cable Group 2	U5
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Nominal attenuation and power

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Frequency [GHz]	Attenuation*		Power** [W]	Attenuation and power graph
	[dB/m]	[dB/ft]		
0.01	0.09	0.03	370	
0.05	0.19	0.06	165	
0.10	0.28	0.08	117	
0.15	0.34	0.10	96	
0.20	0.39	0.12	83	
0.30	0.48	0.15	68	
0.40	0.56	0.17	59	
0.45	0.59	0.18	55	
0.50	0.62	0.19	52	
0.60	0.69	0.21	48	
0.80	0.80	0.24	41	
0.85	0.82	0.25	40	
0.90	0.85	0.26	39	
0.95	0.87	0.27	38	
1.00	0.89	0.27	37	