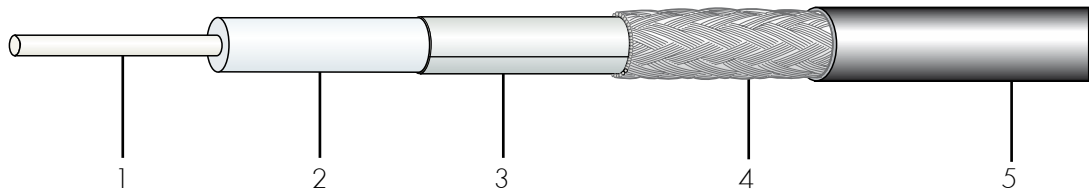


S-SERIES S_04212_B

Item no. 22511855

Cable design



	Description	Diameter
1. Centre conductor	Solid silver-plated copper wire	1.40 mm
2. Dielectric	Foamed polyethylene	3.82 mm
3. 1st outer conductor	Longitudinal aluminium foil	3.96 mm
4. 2nd outer conductor	Tin-plated copper braid	4.48 mm
5. Jacket	Polyurethane, black	5.30 mm

Electrical cable data

Impedance			50 Ohm	
Operating frequency			18 GHz	
Capacitance			82 pF/m	
Velocity of propagation			82 %	
Time delay			4.1 ns/m	
Nom. attenuation*	coefficient a	0.1970	coefficient b	0.0450
Max. attenuation*	coefficient a	0.2167	coefficient b	0.0495
Max. operating voltage			0.5 kVrms	
Min. screening effectiveness up to 18 GHz			90 dB	

*Attenuation calculation $\alpha_{25} = a \cdot \sqrt{f} \text{ (GHz)} + b \cdot f \text{ (GHz)} \text{ (dB/m)}$

General cable data

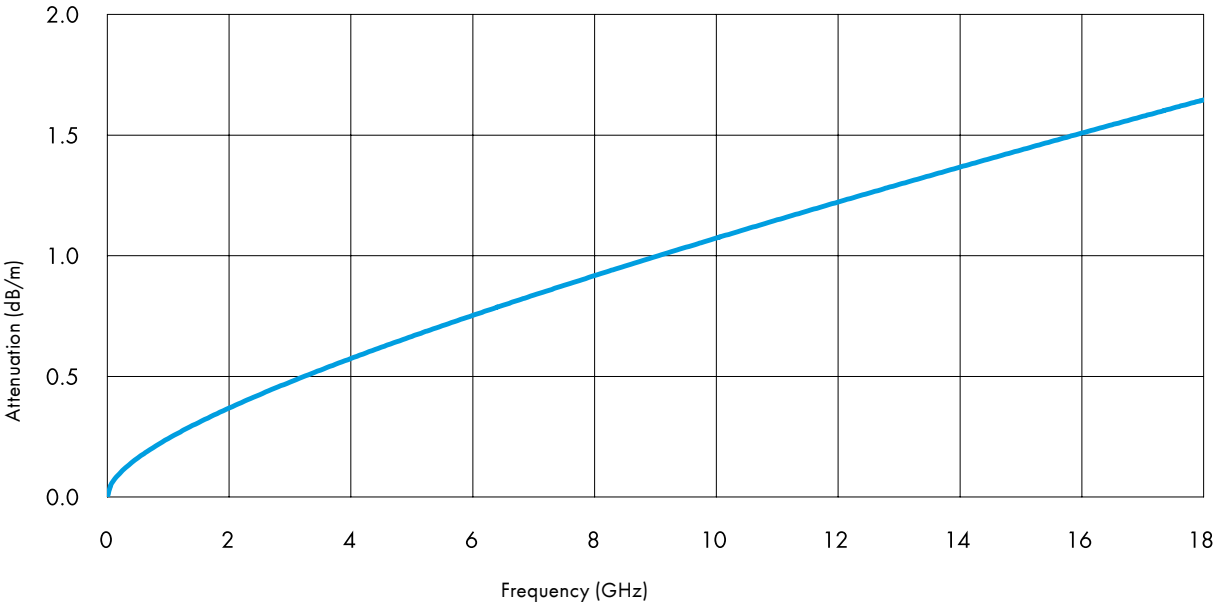
Temperature range		-40...+85 °C
Weight		4.1 kg/100m
Min. bending radius static		25 mm
Min. bending radius dynamic		90 mm

Suitable connectors

Please refer to page 80

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Cable attenuation
Nominal values @ +25 °C ambient temperature



Power handling
Maximum values @ +40 °C ambient temperature and sea level

