






STRUCTURE

	INNER CONDUCTOR	Copper Clad Aluminium	2.74	Ø mm
	DIELECTRIC	Gas Injected Skin-Foam-Skin Polyethylene	7.25	Ø mm ± 0.18
	SHIELD	ALL + PET + ALL Adhesive Tape Coverage 100 %	0.27	mm
	BRAID	Tinned Copper Coverage 90%	192 x 0.15	mm
	SHEATH	Flame Retardant Non-Corrosive Thermoplastic Free of Halogens, Colour Black	10.30	Ø mm ± 0.18

ELECTRICAL DATA at 20 °C

Impedance	50 Ohm ± 1.5
Capacitance	80 pF/m
Velocity ratio	84 %
Resistance	
- inner conductor	4.7 Ohm/km
- braid	5.0 Ohm/km
Tension	
- sheat spark testing	6.0 kV

MECHANICAL DATA

Cable weight	123.2 kg/km
- copper	56.0
- plastic	63.9
Minimum bending radius	
- single	Ext x 5
- repeated	Ext x 10
Temperature range	-30 ... +70 °C

Attenuations dB/100m · Max. power rating W

MHz	5	10	30	50	150	220	450	600	800	900	1000	1500	1800	2000	2500	3000	5200	5800
dB	1.0	1.3	2.1	2.8	4.7	5.7	8.4	9.8	11.4	12.1	12.8	16.0	17.7	18.9	21.1	23.4	32.7	34.7
W	8202	5800	3349	2594	1498	1237	865	749	648	611	580	474	432	410	367	335	254	241

Structural return loss dB

MHz	30 - 450	450 - 1000	1000 - 2000	2000 - 3000	3000 - 4000	4000 - 5800
dB	> 27	> 26	> 23	> 22	> 21	> 20

Screening effectiveness dB

MHz	100 - 900	900 - 2000	2000 - 3000
dB	> 95	> 85	> 75

If not otherwise declared, all values are nominal. Changes in design and construction due to technical progress without notice.