


STRUCTURE

	INNER CONDUCTOR	Plain Copper	1.40	Ø mm
	DIELECTRIC	Gas Injected Skin-Foam-Skin Polyethylene	3.80	Ø mm
	SHIELD	Aluminium + Polyester + Aluminium Tape Coverage 100 %	0.15	mm
	BRAID	Tinned Copper Coverage 77%	128 x 0.10	mm
	SHEATH	Polyethylene Colour Black	6.10	Ø mm ± 0.10

ELECTRICAL DATA at 20 °C

Impedance	50 Ohm ± 1,5
Capacitance	80 pF/m
Velocity ratio	84 %
Resistance	
- inner conductor	11,5 Ohm/km
- braid	16,2 Ohm/km
Tension	
- sheat spark testing	6.5 kV

MECHANICAL DATA

Cable weight	43.2 kg/km
- copper	23.3
- plastic	18.1
Minimum bending radius	
- single	Ext x 5
- repeated	Ext x 10
Temperature range	-40 ... +75 °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	1.8	2.5	4.1	5.2	8.9	10.9	16.2	18.7	21.9	22.9	24.5	30.8	34.1	36.7	40.9	45.5	63.4	67.6
W	3536	2500	1443	1118	645	533	373	323	280	264	250	204	186	177	158	144	110	104

Structural return loss dB

MHz	30 - 450	450 - 1000	1000 - 2000	2000 - 3000	3000 - 4000	4000 - 5800
dB	> 32	> 29	> 26	> 23	> 23	> 14

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.

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