


## STRUCTURE

	INNER CONDUCTOR	Plain Copper	19 x 0.28	Ø mm
	DIELECTRIC	Gas Injected Skin-Foam-Skin Polyethylene	3.80	Ø mm ± 0.10
	SHIELD	Aluminium + Polyester + Aluminium Tape Coverage 100 %	0.15	mm
	BRAID	Tinned Copper Coverage 77%	128 x 0.10	mm
	SHEATH	Polyethylene Colour Black	5.40	Ø mm ± 0.20

## ELECTRICAL DATA at 20 °C

Impedance	50 Ohm ± 3
Capacitance	80 pF/m
Velocity ratio	84 %
Resistance	
- inner conductor	15.5 Ohm/km
- braid	16.2 Ohm/km
Tension	
- sheat spark testing	4.0 kV

## MECHANICAL DATA

Cable weight	33.8 kg/km
- copper	20.3
- plastic	12.1
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
dB	2.5	3.3	5.4	6.9	11.3	13.7	20.0	23.3	27.3	28.9	30.8	38.5	42.6	45.4	50.5
W	3253	2300	1328	1029	594	490	343	297	257	242	230	188	171	163	145

### Structural return loss dB

MHz	30 - 450	450 - 1000	1000 - 2000	2000 - 3000	3000 - 4000	4000 - 5800
dB	> 28	> 25	> 22	> 19	> 19	> 10

### Screening effectiveness dB

MHz	100 - 900	900 - 2000	2000 - 3000
dB	> 90	> 80	> 70

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

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