


STRUCTURE

	INNER CONDUCTOR	Tinned Copper	19 x 0.18	Ø mm
	DIELECTRIC	Low Density Polyethylene	2.95	Ø mm ± 0.10
	SHIELD	Aluminium + Polyester + Aluminium Tape Coverage 100 %	0.15	mm
	BRAID	Tinned Copper Coverage 93%	112 x 0.13	mm
	SHEATH	Flame Retardant Non-Corrosive Thermoplastic Free of Halogens, Colour Black	5.00	Ø mm ± 0.20

ELECTRICAL DATA at 20 °C

Impedance	50 Ohm ± 2
Capacitance	100 pF/m
Velocity ratio	66 %
Resistance	
- inner conductor	36.5 Ohm/km
- braid	12.0 Ohm/km
Tension	
- sheat spark testing	3.5 kV

MECHANICAL DATA

Cable weight	41.0 kg/km
- copper	18.7
- plastic	20.9
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	50	150	220	450	600	800	900	1000	1500	1800	2000	2500	3000
dB	3.0	4.1	9.7	16.4	20.1	30.0	35.4	41.6	44.5	47.5	60.9	68.1	73.3	85.1	91.3

Structural return loss dB

MHz	30 - 450	450 - 1000	1000 - 2000	2000 - 3000
dB	> 27	> 25	> 20	> 18

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.