


STRUCTURE



INNER CONDUCTOR	Plain Copper	0.40	Ø mm
DIELECTRIC	Gas Injected Skin-Foam-Skin Polyethylene	1.95	Ø mm ± 0.10
SHIELD	Aluminium + Polyester + Aluminium Tape Coverage 100 %	0.08	mm
BRAID	Tinned Copper Coverage 83%	80 x 0.10	mm
SHEATH	Flame Retardant Polyvinyl-Chloride Colour Violet	3.50	Ø mm ± 0.10

ELECTRICAL DATA at 20 °C

Impedance	75 Ohm ± 5
Capacitance	56 pF/m
Velocity ratio	80 %
Resistance	
- inner conductor	142 Ohm/km
- braid	21 Ohm/km
Tension	
- sheat spark testing	2.5 kV

MECHANICAL DATA

Cable weight	17.7 kg/km
- copper	7.0
- plastic	9.9
Minimum bending radius	
- single	Ext x 5
- repeated	Ext x 10
Temperature range	-25 ... +80 °C

Attenuations dB/100m · Max. power rating W

MHz	5	10	50	100	200	470	600	862	1000	1350	1500	1750	2150	2400	3000
dB	3.7	4.7	11.0	15.3	21.0	33.1	37.9	46.0	49.9	58.3	62.5	66.9	74.8	79.0	87.5

Structural return loss dB

MHz	30 - 470	470 - 862	862 - 2150	2150 - 3000
dB	> 28	> 23	> 18	> 15

Screening effectiveness dB

MHz	30 - 1000	1000 - 2000	2000 - 3000
dB	> 80	> 70	> 60

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