


## STRUCTURE

	<b>INNER CONDUCTOR</b>	Silvered Copper	7 x 0.75	Ø mm
	<b>DIELECTRIC</b>	Low Density Polyethylene	7.25	Ø mm ± 0.18
	<b>SHIELD</b>	Aluminium + Polyester + Aluminium Tape Coverage 100 %	0.29	mm
	<b>BRAID</b>	Silvered Copper Coverage 94%	144 x 0.16	mm
	<b>BRAID</b>	Silvered Copper Coverage 98%	168 x 0.16	mm
	<b>SHEATH</b>	Flame Retardant Non-Corrosive Thermoplastic Free of Halogens, Colour Black	10.80	Ø mm ± 0.20

## ELECTRICAL DATA at 20 °C

<b>Impedance</b>	50 Ohm ± 2
<b>Capacitance</b>	100 pF/m
<b>Velocity ratio</b>	66 %
<b>Resistance</b>	
- inner conductor	6.0 Ohm/km
- braid	4.0 Ohm/km
<b>Tension</b>	
- sheat spark testing	5.5 kV

## MECHANICAL DATA

<b>Cable weight</b>	211.5 kg/km
- copper	119.7
- plastic	87.3
<b>Minimum bending radius</b>	
- single	Ext x 5
- repeated	Ext x 10
<b>Temperature range</b>	-30 ... +70 °C

### Attenuations dB/100m · Max. power rating W

MHz	5	10	30	50	150	220	450	600	800	1000	1500	1800	2000	2500	3000
dB	1.1	1.5	2.9	3.8	6.9	8.4	12.4	14.5	17.0	19.6	24.7	27.6	29.6	33.9	37.8

### Structural return loss dB

MHz	30 - 450	450-1000	1000-2000	2000-3000	>3000
dB	> 27	> 25	> 22	> 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

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