


## STRUCTURE

	INNER CONDUCTOR	Tinned Copper	19 x 0.18	mm
	DIELECTRIC	Low Density Polyethylene	2.95	Ø mm ± 0.10
	BRAID	Tinned Copper Coverage 94%	144 x 0.10	mm
	SHEATH	Polyvinyl-Chloride Colour Black	5.00	Ø mm ± 0.10

## ELECTRICAL DATA at 20 °C

Impedance	50 Ohm ± 3
Capacitance	100 pF/m
Velocity ratio	66 %
Resistance	
- inner conductor	36.5 Ohm/km
- braid	15.0 Ohm/km
Tension	
- sheat spark testing	4.0 kV

## MECHANICAL DATA

Cable weight	37.3 kg/km
- copper	15.1
- plastic	22.2
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	100	200	400	500	600	800	1000	1350	1500	1750
dB	2.7	4.1	9.7	13.9	20.4	30.0	34.2	37.9	45.1	51.8	61.2	65.6	71.6
W	849	600	268	190	134	95	85	77	67	60	52	49	45

### Structural return loss dB

MHz	30 - 300	300 - 600	600 - 1000	1000 - 2000	2000 - 3000
dB	> 28	> 27	> 25	> 20	> 18

### Screening effectiveness dB

MHz	100 - 900	900 - 2000	2000 - 3000
dB	> 57	-	-

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