


STRUCTURE

	INNER CONDUCTOR	Plain Copper	7 x 0.65	Ø mm
	DIELECTRIC	Foam Polyethylene	5	Ø mm ± 0.10
	SHIELD	Copper + Polyester Tape Coverage 100 %	0.18	mm
	BRAID	Plain Copper Coverage 72%	120 x 0.12	mm
	SHEATH	Non-Contaminating Polyvinyl-Chloride Colour Black	7.30	Ø mm ± 0.10

ELECTRICAL DATA at 20 °C

Impedance	50 Ohm ± 3
Capacitance	80 pF/m
Velocity ratio	80 %
Resistance	
- inner conductor	7.8 Ohm/km
- braid	11.0 Ohm/km
Tension	
- sheat spark testing	4.0 kV

MECHANICAL DATA

Cable weight	73.0 kg/km
- copper	34.7
- plastic	34.3
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	2150	2250
dB	1.3	1.7	4.7	6.6	9.7	14.3	15.8	17.5	20.8	23.0	28.3	29.7	32.7	36.9	37.2
W	3111	2200	984	696	492	348	311	284	246	220	189	180	166	150	147

Structural return loss dB

MHz	30 - 300	300 - 600	600 - 1000	1000 - 2000	2000 - 3000	> 3000
dB	> 26	> 25	> 23	> 21	> 20	--

Screening effectiveness dB

MHz	100 - 900	900 - 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.