



Cable type
Size: 0.6/3.7

704TT3V

	Units	Nominal	
Construction			
INNER CONDUCTOR			
Material and construction	-	copper wire	
Diameter	mm	0.60	
DIELECTRIC			
Material	-	polyethylene	
Diameter	mm	3.7	
OUTER CONDUCTOR			
Material and construction	-	copper, 2 braids	
Diameter over tape	mm	-	
OUTER SHEATH			
Material	-	PVC	
Thickness	mm	0.9	
Overall diameter	mm	6.5	< 6.7

Mechanical characteristics

Minimum bending radius			
	1 x	cm	3
	10 x	cm	6
Maximum pulling strength		daN	5
Weight		kg/km	74

Electrical characteristics

Characteristic impedance	Ω	73	+/- 3
Capacity	pF/m	69	
Relative propagation velocity (velocity ratio)	%	66	
DC-resistance of inner conductor at 20°C	Ω /km	61	
DC-resistance of outer conductor at 20°C	Ω /km	6	
Current rating (50 - 60) Hz	A	2.5	
Dielectric voltage strength	kV	1	
Longitudinal attenuation at 20°C	$\alpha(f_{[MHz]}) = a \cdot \sqrt{f_{[MHz]}} + b \cdot f_{[MHz]}$		
	a =	-	1.068
	b =	-	0.0042
	5 MHz	dB/100m	2.41 < 2.65
	10 MHz	dB/100m	3.42 < 3.76
	30 MHz	dB/100m	5.98 < 6.57
	50 MHz	dB/100m	7.76 < 8.54
	100 MHz	dB/100m	11.10 < 12.21
	200 MHz	dB/100m	15.94 < 17.54
	300 MHz	dB/100m	19.76 < 21.73
	400 MHz	dB/100m	23.04 < 25.34
	470 MHz	dB/100m	25.13 < 27.64
	600 MHz	dB/100m	28.68 < 31.55
	800 MHz	dB/100m	33.57 < 36.92
	860 MHz	dB/100m	34.93 < 38.43
	1000 MHz	dB/100m	37.97 < 41.77
Return loss (3 peak values up to 4 dB lower are permissible)			
	5 - 470 MHz	dB	> 20
	470 - 862 MHz	dB	> 18
Screening attenuation (30 - 1000 MHz)		dB	> 65
Transfer impedance (5 - 30 MHz)		m Ω /m	< 30
EN 50117 screening class		-	-