Cable type	Standard:	705CRT2(V)
Size: 1.02/4.65	Aerial:	A 705CRT2

	Units	Nominal
Construction		
INNER CONDUCTOR		
Material and construction	-	**copper wire**
Diameter	*mm*	**1.02**
DIELECTRIC		
Material	-	**gas-injected cellular PE**
Diameter	*mm*	**4.65**
OUTER CONDUCTOR		
Material and construction	-	**copper tape & braid**
Diameter over tape	*mm*	**4.8**
OUTER SHEATH		
Material		**PE (PVC)**
Thickness	*mm*	**0.8**
Overall diameter	*mm*	**7.0** < 7.4
Cable with messenger		
MESSENGER		
Material	-	**AMS**
Construction	.. *X mm*	**1 x 2**
Diameter over messenger	*mm*	**3.5**
OVERALL DIMENSIONS	*mm*	**12/7**

Mechanical characteristics			
Minimum bending radius			
	1 x	*cm*	**3.5**
	10 x	*cm*	**7**
Maximum pulling strength (without messenger)		*daN*	**10**
Weight (PE / PVC jacket)		*kg/km*	**48 (56)**
Cable with messenger			
Minimum breaking strength of messenger		*daN*	**100**
Modulus of elasticity		*N/mm²*	**62000**
Thermal coefficient of linear expansion		*1/°C*	**23 x 10^{-6}**
Weight		*kg/km*	**66**

Electrical characteristics				
Characteristic impedance		*Ω*	**75**	+/- 3
Capacity		*pF/m*	**54**	
Relative propagation velocity (velocity ratio)		*%*	**82**	
DC-resistance of inner conductor at 20°C		*Ω/km*	**20.6**	
DC-resistance of outer conductor at 20°C		*Ω/km*	**8.7**	
Current rating (50 - 60) Hz		*A*	**5**	
Dielectric voltage strength		*kV*	**1**	
Longitudinal attenuation at 20°C			$\alpha(f_{[MHz]}) = a.\sqrt{f_{[MHz]}} + b.f_{[MHz]}$	
	a =	-	0.598	
	b =	-	0.0015	
	5 MHz	*dB/100m*	**1.34**	< 1.48
	10 MHz	*dB/100m*	**1.91**	< 2.10
	30 MHz	*dB/100m*	**3.32**	< 3.65
	50 MHz	*dB/100m*	**4.30**	< 4.73
	100 MHz	*dB/100m*	**6.13**	< 6.74
	200 MHz	*dB/100m*	**8.76**	< 9.63
	300 MHz	*dB/100m*	**10.81**	< 11.89
	400 MHz	*dB/100m*	**12.56**	< 13.82
	470 MHz	*dB/100m*	**13.67**	< 15.04
	600 MHz	*dB/100m*	**15.55**	< 17.10
	800 MHz	*dB/100m*	**18.11**	< 19.93
	860 MHz	*dB/100m*	**18.83**	< 20.71
	1000 MHz	*dB/100m*	**20.41**	< 22.45
	1750 MHz	*dB/100m*	**27.64**	< 30.41
	2150 MHz	*dB/100m*	**30.95**	< 34.05
	2400 MHz	*dB/100m*	**32.90**	< 36.19
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*	**> 90**	
Transfer impedance (5 - 30 MHz)		*mΩ/m*	**< 5**	
EN-50117 Screening Class		-	**Class A**	