Cable type Size: 1.00/4.55		Standard: Aerial:	7CW05CRT2 A 7CW05CRT2	
		Units	Nominal	
Construction				
INNER CONDUCTOR				
Material and construction		-	**copper clad steel wire**	
Diameter		*mm*	**1.00**	
DIELECTRIC				
Material		-	**gas-injected cellular PE**	
Diameter		*mm*	**4.55**	
OUTER CONDUCTOR				
Material and construction		-	**copper tape & copper braid**	
Diameter over tape		*mm*	**4.80**	
OUTER SHEATH				
Material			**PE**	
Thickness		*mm*	**0.8**	
Overall diameter		*mm*	**7.0**	< 7.2
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*	**7.0**	
Maximum pulling strength (without messenger)		*daN*	**20**	
Weight		*kg/km*	**47**	
Cable with messenger				
Minimum breaking strength of messenger		*daN*	**100**	
Modulus of elasticity		N/mm^2	**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*	**51.6**	
DC-resistance of outer conductor at 20°C		Ω/*km*	**8.7**	
Current rating (50 - 60) Hz		*A*	**0.5**	
Dielectric voltage strength		*kV*	**1.0**	
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**	< 1.41
	10 MHz	*dB/100m*	**1.91**	< 2.00
	30 MHz	*dB/100m*	**3.32**	< 3.49
	50 MHz	*dB/100m*	**4.30**	< 4.52
	100 MHz	*dB/100m*	**6.13**	< 6.44
	200 MHz	*dB/100m*	**8.76**	< 9.19
	300 MHz	*dB/100m*	**10.81**	< 11.35
	400 MHz	*dB/100m*	**12.56**	< 13.19
	470 MHz	*dB/100m*	**13.67**	< 14.35
	600 MHz	*dB/100m*	**15.55**	< 16.33
	800 MHz	*dB/100m*	**18.11**	< 19.02
	860 MHz	*dB/100m*	**18.83**	< 19.77
	1000 MHz	*dB/100m*	**20.41**	< 21.43
	1750 MHz	*dB/100m*	**27.64**	< 29.02
	2150 MHz	*dB/100m*	**30.95**	< 32.50
	2400 MHz	*dB/100m*	**32.90**	< 34.54
Return loss (3 peak values up to 4 dB lower are permissible)				
	10 - 470 MHz	*dB*	**> 20**	
	470 - 862 MHz	*dB*	**> 18**	
	862 - 1200 MHz	*dB*	**> 16**	
Screening attenuation (30 - 1000 MHz)		*dB*	**> 90**	
Transfer impedance (5 - 30 MHz)		*mΩ/m*	**< 5**	
EN-50117 Screening Class		-	**Class A**	

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