Cable type	underground:	7228
Size: 7/8" - LD	aerial:	A 7228

		Units	Nominal	
Construction				
INNER CONDUCTOR				
Material and construction		-	copper wire	
Diameter		mm	5.7	
DIELECTRIC				
Material		-	gas-injected cellular PE	
Diameter		mm	23.5	
OUTER CONDUCTOR				
Material and construction		-	corrugated copper tube	
Diameter over outer conductor		mm	25.0	
OUTER SHEATH				
Material			black polyethylene	
Thickness		mm	1.5	
Overall diameter		mm	28.0	< 28.3
Cable with messenger				
MESSENGER				
Material		-	AMS	
Construction		.. X mm	7 x 3.15	
Diameter over messenger		mm	12.5	
OVERALL DIMENSIONS		mm	43/28	
Mechanical characteristics				
Minimum bending radius				
	1 x	cm	20	
	10 x	cm	30	
Maximum pulling strength (without messenger)		daN	225	
Weight		kg/km	640	
Cable with messenger				
Minimum breaking strength of messenger		daN	1750	
Modulus of elasticity		N/mm^2	62000	
Thermal coefficient of linear expansion		1/°C	23×10^{-6}	
Weight		kg/km	845	
Electrical characteristics				
Characteristic impedance		Ω	75	+/- 2
Capacity		pF/m	50	
Relative propagation velocity (velocity ratio)		%	88	
DC-resistance of inner conductor at 20°C		Ω/km	0.68	
DC-resistance of outer conductor at 20°C		Ω/km	0.98	
Current rating (50 - 60) Hz		A	43	
Dielectric voltage strength		kV	6	
Longitudinal attenuation at 20°C			$\alpha(f_{[MHz]}) = a.\sqrt{f_{[MHz]}} + b.f_{[MHz]}$	
	a =	-	0.104	
	b =	-	0.00065	
	5 MHz	dB/100m	0.24	< 0.25
	10 MHz	dB/100m	0.34	< 0.35
	30 MHz	dB/100m	0.59	< 0.62
	50 MHz	dB/100m	0.77	< 0.81
	100 MHz	dB/100m	1.11	< 1.16
	200 MHz	dB/100m	1.60	< 1.68
	300 MHz	dB/100m	2.00	< 2.10
	400 MHz	dB/100m	2.34	< 2.46
	470 MHz	dB/100m	2.56	< 2.69
	600 MHz	dB/100m	2.94	< 3.08
	800 MHz	dB/100m	3.46	< 3.63
	860 MHz	dB/100m	3.61	< 3.79
	1000 MHz	dB/100m	3.94	< 4.14
Return loss (3 peak values up to 4 dB lower are permissible)				
	5 - 470 MHz	dB	> 26	
	470 - 862 MHz	dB	> 22	
Screening attenuation (30 - 1000 MHz)		dB	>> 120	