



## LTC ADSS-30

30-09-2019

### Properties

The Loose Tube Cable All Dielectric Self-Supporting (LTC ADSS) is a metalfree aerial distribution cable, with dry waterblocking and aramid yarns under the outersheath. This cable is to be used under all dielectric circumstances, for example on distribution and medium/low voltage power lines, railway, tram, trolley bus lines and between buildings. Because of its strong tensile members it is suitable for aerial applications without using additional strength members. This cable is designed for spans between approx. 30 and 80 mtrs, depending on installing and surroundings conditions, with the conditions from the NESC tables as a basis. For further information, please consult document Sag & Tension Calculations under characteristic 'Specification'.



### Specifications

Product group	<i>Fibre optic cable</i>
Type	<i>LTC ADSS-30</i>
Cable metal free	<i>Yes</i>
Strain relief	<i>Yes</i>
Longitudinal water blocking	<i>Yes</i>
Colour outer sheath	<i>Black</i>
Material outer sheath	<i>HDPE</i>
Application	<i>Outside</i>
Blowable	<i>Yes</i>
Type of tube	<i>Loose tube, gel filled</i>
Strip method	<i>1 Rip cord</i>
Operational temperature range Ta1 - Tb1	<i>-30 / 70 °C</i>
Max. attenuation increase during Ta1 - Tb1	<i>0.05 dB</i>
Operational temperature range Ta2 - Tb2	<i>-40 / 70 °C</i>
Max. attenuation increase during Ta2 - Tb2	<i>0.15 dB</i>
Installation temperature	<i>-15 / 50 °C</i>



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Transportation and storage temperature	-40 / 70 °C
Standardization	EN IEC 60794-3-20
Test procedures	IEC 60794-1-2
Longitudinal watertight construction	Super Absorbing Polymer
Maximum Operational Tension (MOT)	Product dependent
Maximum Allowable Tension (MAT)	Product dependent
Fibre type	Single mode 9/125
Optical fibre standard	ITU-T G.657.A1
Max. attenuation @ 1310 nm	0.35 dB/km
Max. attenuation @ 1550 nm	0.22 dB/km
Max. attenuation @ 1625 nm	0.25 dB/km
UV-protection	ISO 4892/2
Euro fire class according to EN 13501-6	Fca
UV resistant	Yes

### 11 products

Part number	Description	Outer diameter approx.	Net weight (kg/km)	Min. bending radius after installation	Min. bending radius during installation	Tensile load short term (Tm)	Tensile load long term (Tl)
77950	4x SM G.657.A1 (1x4)	8,2	48	125	165	1950	1450
77957	8x SM G.657.A1 (2x4)	8,2	48	125	165	1950	1450
77958	12x SM G.657.A1 (3x4)	8,2	49	125	165	2000	1450
77959	12x SM G.657.A1 (2x6)	8,2	50	125	165	2200	1500
77951	24x SM G.657.A1 (6x4)	8,8	59	130	175	2150	1550
77952	24x SM G.657.A1 (4x6)	8,3	50	125	165	2200	1500



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Part number	Description	Outer diameter approx.	Net weight (kg/km)	Min. bending radius after installation	Min. bending radius during installation	Tensile load short term (Tm)	Tensile load long term (TI)
77960	48x SM G.657.A1 (8x6)	10,0	79	150	200	2800	2050
77953	48x SM G.657.A1 (4x12)	9,5	70	145	190	2400	1700
77954	72x SM G.657.A1 (6x12)	9,5	72	145	190	2500	1750
77955	96x SM G.657.A1 (8x12)	11,2	97	170	225	3200	2200
77956	144x SM G.657.A1 (12x12)	14,3	158	215	290	4450	3050