

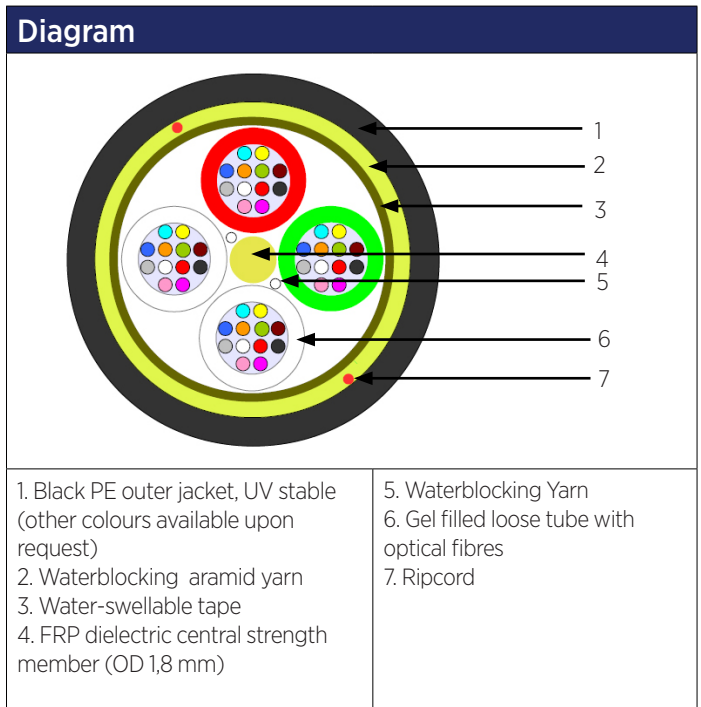
Fibre Optic Cabling

All-Dielectric Self-Supporting (ADSS) Aerial Cable

Connectix offers a range of aerial cables used suspended between poles, pylons and fixed building to building links. All-dielectric designs are completely metal-free and self-supporting, requiring no separate messenger wire between poles to support the cable weights.

Connectix all-dielectric self-supporting (ADSS) cables are manufactured with an FRP dielectric central strength member, with multiple loose tube optical fibres. The external jacket is UV stabilised and extremely resistant to the ingress of moisture, with operating temperatures from -40-+70 degrees, the cables are suitable for installation to 11kV power lines.

Ordering Information	
Product Description	Part Number
Connectix ADSS Aerial Cable 3kN 36f (3x12 G.652.D) Singlemode External Cable	002-005-099-36
Connectix CCS ADSS Aerial Cable 3kN 48f (4x12 G.652.D) Singlemode External Cable	002-005-099-48



Mechanical and Environmental Properties			
Test	Value	Unit	Method
Cable outer diameter	10,2 ± 0,5	mm	EN 60811-203
Cable weight	81	kg/km	
Outer jacket thickness	1,8	mm	
Loose tube diameter	2,5	mm	
Thermal expansion Coefficient	17,9		
Module of elasticity	7,2	N	EN 60794-1-21-E1
Max. allowable tension	3	kN	EN 60794-1-21-E1
Max. operation tension	2,6	kN	EN 60794-1-21-E1
Crush resistance test	3000	N	EN 60794-1-21-E3
Impact resistance test	30	Nm	EN 60794-1-21-E4
Min. bend radius (no load)	15	x OD	EN 60794-1-21-E11a
Min. bend radius (load)	20	x OD	EN 60794-1-21-E11b
Moisture resistance test	Pass		EN 60794-1-22-F5
Temperature range	Installation -15 to + 50	°C	EN 60794-1-22-F1
	Operation -40 to + 70	°C	
	Storage -40 to + 70	°C	

Cable life time - minimum 30 years.

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MLT Hybrid Cable 12 - 72 Fibres

Sheath Marking	
Print colour	White
Print method	INK-Jet
Print legend	Manufacturer's name, job number, type of cable, length marking @ 1 m intervals

Other print legends available on request.

Fibre Colour Coding - According to IEC 60304			
1	Red	7	Brown
2	Green	8	Violet
3	Blue	9	Turquoise
4	Yellow	10	Black
5	White	11	Orange
6	Grey	12	Pink

Other fibre colour sequences available on request.

Tube Colour Coding	
1	Red
2	Green
3 - 4	White

In the case of lower number of fibres some tubes are replaced by uncoloured fillers
Other tubes colour sequences available on request.

Packing

SPAN (m)	INSTALLATION		NESC LIGHT			NESC MEDIUM			NESC HEAVY		
			sag (m)		load (N)	sag (m)		load (N)	sag (m)		load (N)
	Sag 1,5% (m)	N	horizontal	vertical		horizontal	vertical		horizontal	vertical	
40	0,6	262	1,11	0,32	947	0,83	1,04	1246	0,83	1,42	1904
60	0,9	393	1,84	0,52	1284	1,39	1,73	1683	1,4	2,39	2545
80	1,2	524	2,63	0,75	1594	2,5	2,5	2079			
100	1,5	655	3,48	0,99	1887	3,32	3,32	2450			
120	1,5	786	4,38	1,25	2159						
140	1,8	917	5,32	1,38	2425						