

All Dielectric Self-Supporting Cable



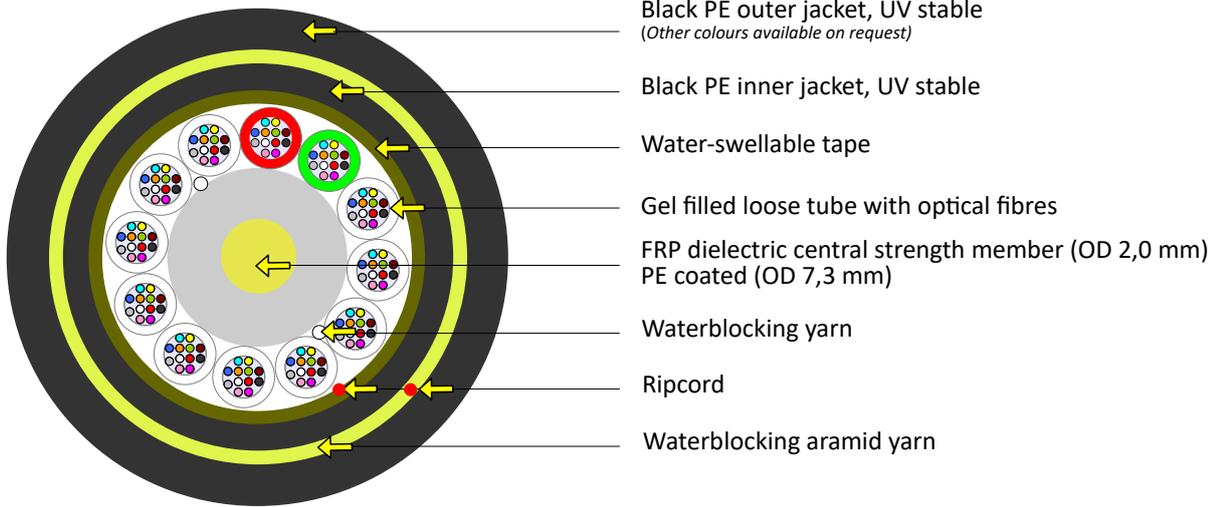
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ID: **N6YI**

4. 2. 2026 ver. 9

ADSS-DQ2Y(ZN)2YT 6kN 12×2,5 max. 144F

This cable is suitable for outdoor aerial use.



Mechanical and Environmental properties

Test	Value	Unit	Method
Cable outer diameter	18,4 ± 0,4	mm	EN 60811-203
Cable weight	254	kg/km	
Inner jacket thickness	1	mm	
Outer jacket thickness	1,8	mm	
Loose tube diameter	2,5	mm	
Thermal expansion coefficient	35,9	ppm/K	
Modulus of elasticity	3,39	Gpa	
Maximum allowable tension	6	kN	EN 60794-1-21-E1
Max. operation tension	4,1	kN	EN 60794-1-21-E1
Crush resistance test	3	kN	EN 60794-1-21-E3
Impact resistance test	20	Nm	EN 60794-1-21-E4
Min. bend radius (no load)	15	× OD	EN 60794-1-21-E11a
Min. bend radius (load)	20	× OD	EN 60794-1-21-E11b
Moisture resistance test	pass		EN 60794-1-22-F5
Temperature range	Installation	-15 to + 50	°C
	Operation	-40 to + 70	°C
	Storage	-40 to + 70	°C

Cable life time - minimum 30 years

Sheat Marking

Print colour	White
Print method	INK-Jet or Hot-foil
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 – 12	White

In the case of lower number of fibres some tubes are replaced by uncoloured fillers

Other tubes colour sequences available on request

Packing

Depending on ordered put-up lengths

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SPAN (m)	INSTALATION		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	830	1,09	0,38	1670	0,73	1,02	1880	0,74	1,39	2597
60	0,9	1245	1,79	0,63	2296	1,21	1,69	2566	1,23	2,30	3525
80	1,2	1660	2,54	0,89	2886	1,73	2,40	3210	1,77	3,32	4360
100	1,5	2075	3,32	1,17	3450	2,27	3,16	3821			
120	1,8	2489	4,13	1,45	3995	2,83	3,95	4409			
140	2,1	2904	4,97	1,74	4522						

