

# All Dielectric Self-Supporting Cable

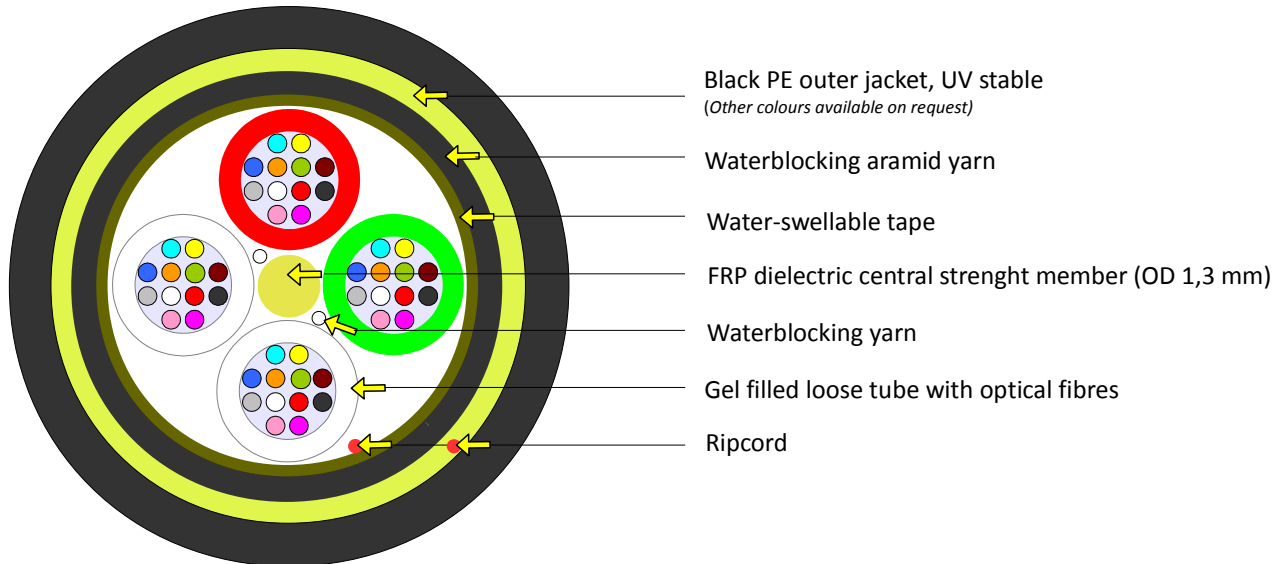


ID: **N3YI**

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 14.6.2018 ver. 5

## ADSS-DQ2Y(ZN)2YT 6kN 4×2,5 max. 48F

This cable is suitable for outdoor aerial use.



### Mechanical and Environmental properties

Test	Value	Unit	Method
Cable outer diameter	12,2 ± 0,4	mm	EN 60811-203
Cable weight	115	kg/km	
Inner jacket thickness	1	mm	
Outer jacket thickness	1,8	mm	
Loose tube diameter	2,5	mm	
Thermal expansion coefficient	17	ppm/K	
Modulus of elasticity	7,53	Gpa	
Maximum allowable tension	6	kN	EN 60794-1-21-E1
Crush resistance test	3000	N	EN 60794-1-21-E3
Impact resistance test	3	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 – 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

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	388	1,03	0,31	1220	0,74	0,95	1525	0,73	1,28	2280
60	0,9	582	1,7	0,51	1661	1,22	1,57	2072	1,22	2,15	3062
80	1,2	776	2,41	0,72	2076	1,76	2,25	2556	1,77	3,1	3775
100	1,5	970	3,19	0,95	2457	2,34	3	3022	2,36	4,14	4433
120	1,8	1164	3,99	1,2	2828	2,94	3,77	3463			
140	2,1	1358	4,84	1,45	3180	3,57	4,57	3889			
160	2,4	1551	5,71	1,71	3522	4,23	5,42	4292			
180	2,7	1745	6,61	1,98	3853						
200	3	1939	7,53	2,26	4178						

NESC load situations		Light	Medium	Heavy
Ice thickness	(mm)	0	6,5	12,7
Wind speed	(Km/h)	100	65	65
Extra force	(N/m)	0,7	2,5	4,4

