

All Dielectric Self-Supporting Cable



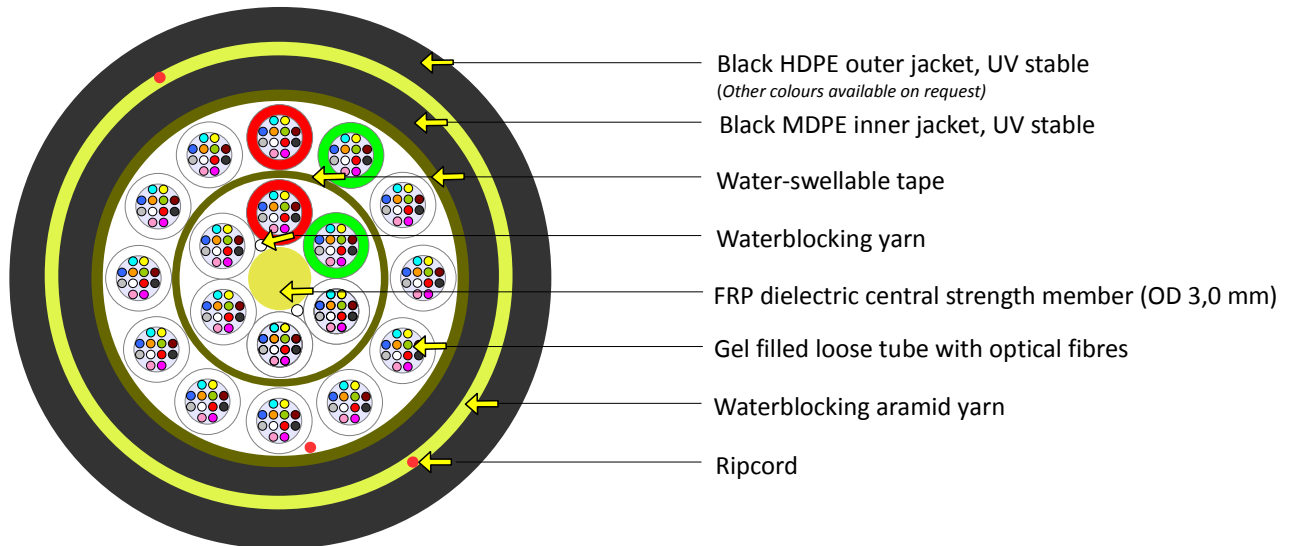
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ID: **N7RI**

1.3.2016 ver.4

ADSS-DQ2Y(ZN)2YT 15kN 18×2,8 max. 216F

This cable is suitable for outdoor aerial use.



Order example

2100 m ADSS-DQ2Y(ZN)2YT 15kN 144E9/125 G.657.A1 jacket colour BLK, cable specification N7RI

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

Fibre Type

Single mode fiber 9/125
 Multi mode fiber 50/125
 Multi mode fiber 62,5/125
 See the Fibre Specification sheet

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

Tube colour coding

1 Red	7 Red
2 Green	8 Green
3-6 White	7-18 White

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

Packaging Standard put-up length Drum size

Solid wooden drum	2100 m ± 5 %, other lengths on request	KTS1600
Solid wooden drum	4100 m ± 5 %, other lengths on request	KTS2240

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Mechanical and Environmental properties

Test	Value	Unit	Method
Cable outer diameter	21,2 ± 0,4	mm	EN 60811-1-1
Cable weight	343	kg/km	
Inner jacket thickness	1,0	mm	
Outer jacket thickness	2,0	mm	
Loose tube diameter	2,8	mm	
Thermal expansion coefficient	7,2	ppm/K	
Modulus of elasticity	12,5	Gpa	
Max. allowable tension	15	kN	EN 60794-1-2-E1
Max. operation tension	12,5	kN	EN 60794-1-2-E1
Crush resistance test	3000	N	EN 60794-1-2-E3
Impact resistance test	3	Number of impact	EN 60794-1-2-E4
Min. bend radius (no load)	15	× OD	EN 60794-1-2-E11a
Min. bend radius (load)	20	× OD	EN 60794-1-2-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

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	1157	0,79	0,31	2666	0,5	0,74	3010	0,48	0,94	4251
60	0,9	1736	1,27	0,51	3724	0,81	1,2	4161	0,79	1,54	5812
80	1,2	2315	1,78	0,71	4725	1,15	1,7	5235	1,12	2,2	7244
100	1,5	2894	2,33	0,93	5650	1,5	2,22	6259	1,48	2,9	8543
120	1,8	3472	2,9	1,15	6548	1,88	2,77	7214	1,86	3,64	9859
140	2,1	4051	3,49	1,38	7418	2,26	3,34	8166	2,26	4,42	11073
160	2,4	4630	4,1	1,63	8241	2,66	3,93	9072	2,67	5,22	12250
180	2,7	5208	4,71	1,8	9075	3,06	4,53	9953			
200	3,0	5787	5,34	2,12	9881	3,48	5,14	10826			
220	3,3	6366	5,99	2,38	10678	3,91	5,77	11675			
240	3,6	6945	6,65	2,64	11449						

