

# All Dielectric Self-Supporting Cable



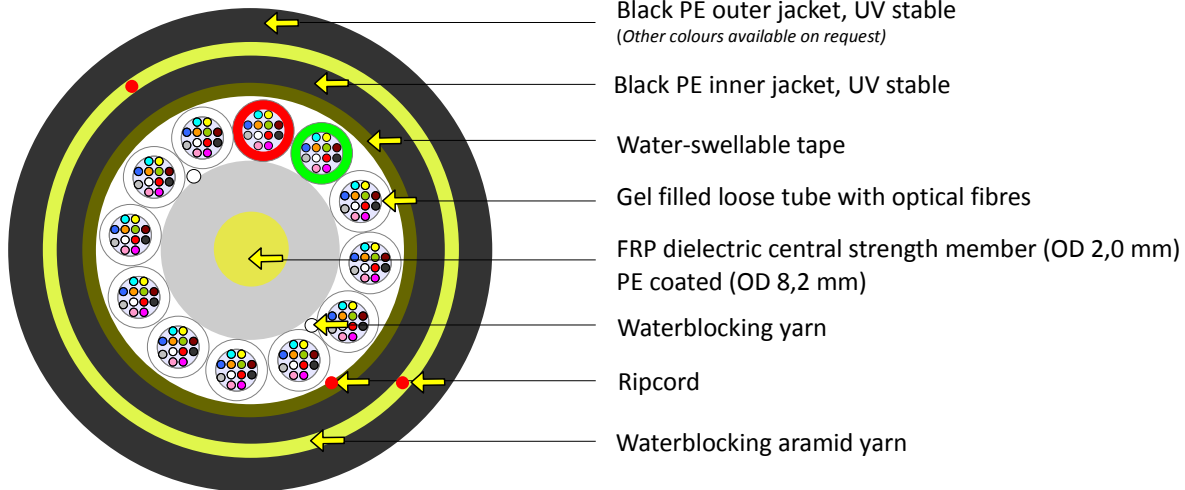
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ID: **N6ZI**

4.2.2019 ver. 8

## ADSS-DQ2Y(ZN)2YT 10kN 12×2,8 max. 144F

This cable is suitable for outdoor aerial use.



Black PE outer jacket, UV stable  
 (Other colours available on request)

Black PE inner jacket, UV stable

Water-swellable tape

Gel filled loose tube with optical fibres

FRP dielectric central strength member (OD 2,0 mm)  
 PE coated (OD 8,2 mm)

Waterblocking yarn

Ripcord

Waterblocking aramid yarn

### Mechanical and Environmental properties

Test	Value	Unit	Method
Cable outer diameter	20,5±0,4	mm	EN 60811-203
Cable weight	316	kg/km	
Outer jacket thickness	2	mm	
Loose tube diameter	2,8	mm	
Thermal expansion coefficient	22,6	ppm/K	
Modulus of elasticity	5,46	Gpa	
Maximum allowable tension	10	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	× 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	1078	0,86	0,32	2457	0,55	0,79	2758	0,53	1,02	3857
60	0,9	1635	1,39	0,52	3439	0,89	1,29	3797	0,87	1,69	5260
80	1,2	2155	1,97	0,73	4312	1,27	1,83	4757	1,25	2,42	6539
100	1,5	2694	2,57	0,96	5166	1,67	2,41	5661	1,65	3,2	7729
120	1,8	3233	3,21	1,19	5963	2,08	3,01	6529	2,08	4,02	8853
140	2,1	3772	3,85	1,43	6756	2,51	3,63	7379			
160	2,4	4311	4,53	1,69	7512	2,95	4,27	8194			
180	2,7	4850	5,21	1,94	8262						
200	3,0	5388	5,91	2,2	8991						

