

All Dielectric Self-Supporting Cable



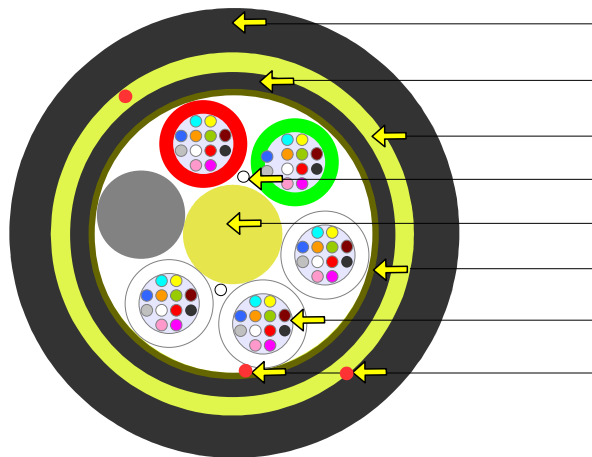
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ID: **N4RI**

4.2.2019 ver. 6

ADSS-DQ2Y(ZN)2YT 15kN 6×2,8 max. 72F

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
- Waterblocking aramid yarn
- Waterblocking yarn
- FRP dielectric central strength member (OD 3,0 mm)
- Water-swellable tape
- Gel filled PBT loose tube with optical fibres
- Ripcord

The picture represents a cable with 60 fibres

Mechanical and Environmental properties

Test	Value	Unit	Method
Cable outer diameter	15,6±0,4	mm	EN 60811-203
Cable weight	203	kg/km	
Outer jacket thickness	2	mm	
Loose tube diameter	2,8	mm	
Max. tensile strength	15	kN	EN 60794-1-21-E1
Max. operation tension	12,5	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

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

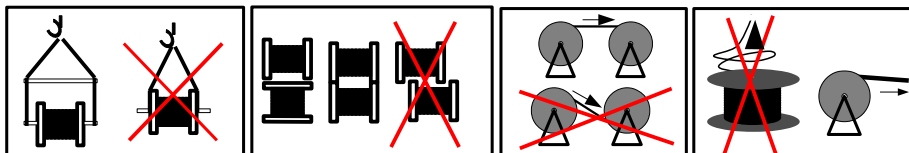
1 Red
2 Green
3-6 White

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)	INSTALLATION		NESC LIGHT			NESC MEDIUM			NESC HEAVY		
			sag (m)		load (N)	Sag (m)		load (N)	sag (m)		load (N)
	sag (m)	N	horizontal	vertical		horizontal	vertical		horizontal	vertical	
40	0,6	685	0,77	0,27	2018	0,52	0,71	2434	0,49	0,91	3644
60	0,9	1028	1,25	0,44	2801	0,85	1,16	3350	0,81	1,50	4944
80	1,2	1371	1,77	0,63	3525	1,20	1,65	4206	1,17	2,15	6141
100	1,5	1713	2,31	0,82	4228	1,58	2,17	5005	1,55	2,86	7240
120	1,8	2056	2,88	1,02	4876	1,97	2,71	5769	1,95	3,6	8292
140	2,1	2399	3,47	1,23	5521	2,38	3,28	6498	2,37	4,37	9295
160	2,4	2741	4,08	1,45	6130	2,81	3,87	7194	2,80	5,17	10269
180	2,7	3084	4,71	1,67	6721	3,25	4,47	7873	3,26	6,00	11196
200	3,0	3427	5,35	1,90	7306	3,70	5,09	8549	3,72	6,86	12111
220	3,3	3770	6,01	2,13	7872	4,16	5,73	9193			
240	3,6	4112	6,68	2,37	8433	4,64	6,38	9821			
260	3,9	4455	7,36	2,61	8987	5,12	7,04	10444			
280	4,2	4798	8,06	2,85	9522	5,61	7,72	11063			
300	4,5	5140	8,77	3,10	10052	6,11	8,40	11664			

NESC load situations		Light	Medium	Heavy
Ice thickness	(mm)	0	6,5	12,7
Wind pressure	(N/m)	430	191,5	191,5
Extra force	(N/m)	0,7	2,5	4,4

