

All Dielectric Self-Supporting Cable

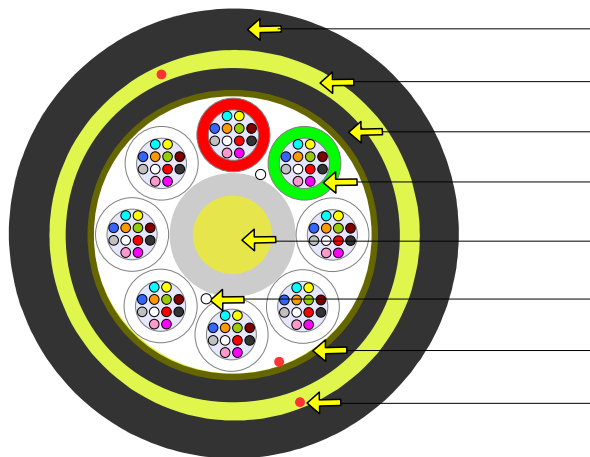


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 11.7.2018 ver. 6

ID: **N5RI**

ADSS-DQ2Y(ZN)2YT 15kN 8×2,8 max. 96F

This cable is suitable for outdoor aerial use.



- Black PE outer jacket, UV stable
(Other colours available on request)
- Waterblocking aramid yarn
- Black PE inner jacket, UV stable
- Gel filled PBT loose tube with optical fibres
- FRP dielectric central strength member (OD 2,0 mm),
PE coated (OD 4,8 mm)
- Waterblocking yarn
- Water-swellable tape
- Ripcord

Mechanical and Environmental properties

Test	Value	Unit	Method
Cable outer diameter	17,3±0,4	mm	EN 60811-203
Cable weight	240	kg/km	
Outer jacket thickness	2	mm	
Loose tube diameter	2,8	mm	
Max. tensile strength	15	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

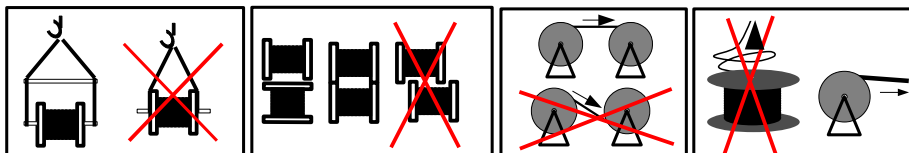
1 Red
2 Green
3-8 White

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 (m)	N	horizontal	vertical		horizontal	vertical		horizontal	vertical	
40	0,6	785	0,80	0,28	2157	0,53	0,73	2539	0,5	0,93	3725
60	0,9	1177	1,3	0,46	2991	0,86	1,20	3477	0,83	1,55	5054
80	1,2	1570	1,83	0,65	3785	1,23	1,70	4359	1,19	2,23	6257
100	1,5	1962	2,39	0,85	4519	1,61	2,23	5204	1,58	2,95	7391
120	1,8	2355	2,99	1,06	5216	2,01	2,79	5994	1,99	3,71	8476
140	2,1	2747	3,60	1,28	5894	2,43	3,38	6749	2,41	4,50	9512
160	2,4	3139	4,23	1,50	6551	2,86	3,98	7488	2,86	5,34	10485
180	2,7	3532	4,88	1,73	7189	3,31	4,60	8193	3,32	6,20	11447
200	3,0	3924	5,54	1,96	7821	3,77	5,24	8895	3,79	7,08	12381
220	3,3	4317	6,22	2,20	8434	4,24	5,89	9566			
240	3,6	4709	6,92	2,45	9028	4,72	6,56	10232			
260	3,9	5101	7,63	2,70	9615	5,20	7,23	10894			
280	4,2	5494	8,34	2,96	10196	5,70	7,92	11537			
300	4,5	5886	9,07	3,21	10770	6,21	8,83	12164			

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