

All Dielectric Self-Supporting Cable

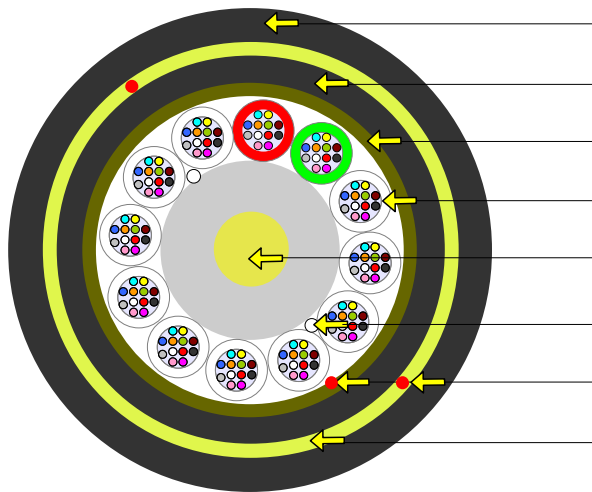


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 11.7.2018 ver. 5

ID: **N6RI**

ADSS-DQ2Y(ZN)2YT 15kN 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 3,0 mm)
PE coated (OD 8,5 mm)
- Waterblocking yarn
- Ripcord
- Waterblocking aramid yarn

Mechanical and Environmental properties

Test	Value	Unit	Method
Cable outer diameter	20,9±0,4	mm	EN 60811-203
Cable weight	345	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

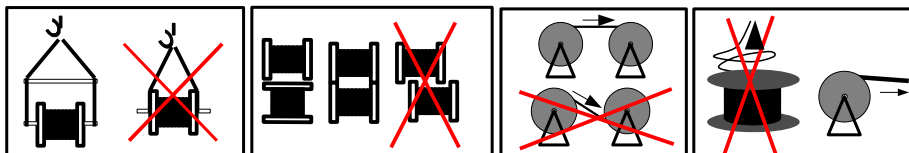
1	Red
2	Green
3-12	White

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 (m)	N	horizontal	vertical		horizontal	vertical		horizontal	vertical	
40	0,6	1143	0,8	0,32	2601	0,51	0,75	2920	0,49	0,95	4143
60	0,9	1757	1,26	0,51	3713	0,80	1,20	4176	0,78	1,53	5824
80	1,2	2343	1,77	0,72	4702	1,14	1,69	5143	1,12	2,19	7247
100	1,5	2929	2,32	0,94	5615	1,49	2,22	6263	1,47	2,9	8578
120	1,8	3515	2,87	1,17	6523	1,86	2,76	7234	1,85	3,64	9847
140	2,1	4101	3,46	1,40	7382	2,24	3,34	8160	2,25	4,41	11055
160	2,4	4686	4,05	1,65	8232	2,63	3,92	9080	2,65	5,21	12227
180	2,7	5085	4,73	1,92	8914	3,08	4,58	9832	3,1	6,1	13246
200	3,0	5858	5,29	2,15	9849	3,45	5,14	10826			
220	3,3	6444	5,92	2,41	10652	3,87	5,76	11688			
240	3,6	7030	6,57	2,67	11427	4,3	6,40	12524			
260	3,9	7615	7,23	2,94	12193						
280	4,2	8201	7,88	3,20	12964						
300	4,5	8787	8,56	3,48	13709						

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