

Self-supporting Flat Cable

ID: **Z159**

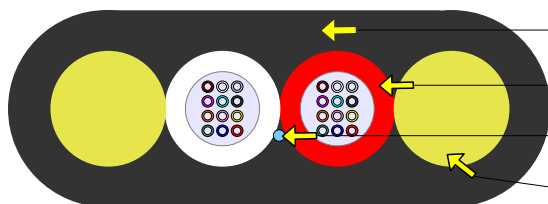


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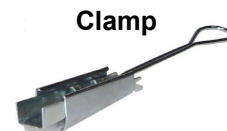
4.3.2013 ver.3

A-DQ(2ZN)2YT 2×12F

This cable is suitable for outdoor aerial use or direct burial to sand bed.



- Black MDPE outer jacket, UV stable
(Other colours available on request)
- Gel filled PBT loose tube with optical fibres
- Rip-cord
- Strength member



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

According to IEC 60304

- 1 Red
- 2 Natural

Other fibre colour sequences available on request

Fibre Type

- SMF ITU-T G.657.A (AllWave-Flex)
- SMF ITU-T G.657.B3 (AllWave-Flex)
- SMF ITU-T G.655 C&D (TrueWave Reach)
- SMF ITU-T G.655 C&E G.656 (TrueWave Reach)
- SMF ITU-T G.652.D (LWP)
- SMF ITU-T G.652.D (AllWave))

See the Fibre Specification sheet

Sheat Marking

- | | |
|--------------|--|
| Print colour | White |
| Print method | INK-Jet |
| Print legend | manufacturer's name, job number, type of cable, length marking @ 1 m intervals |

Other print legends available on request

Order example

2100 m A-DQ(2ZN)2YT 24E9/125G.652D jacket colour BLK, specification Z159

Mechanical and Environmental properties

Max. tensile strength	*E1A	1300 N
Crush resistance	*E3	4000 N/10cm
Impact resistance	*E4	3 impacts (w/8N.m)
Min. bend radius	*E11A	100 mm
	*E11B	140 mm (load)
Moisture resistance		passed
Compound flow	*E14	30 cm / 24h / 70°C passed
Temperature range	*F1	
	installation	-5 °C to +50 °C
	operation	-40 °C to +70 °C
	storage	-40 °C to +70 °C
Cable informative nominal weight (calc.)		39 kg/km
Standard put-up length		2100 m, 4100 m
Packaging		Plywood drum
Loose tube diameter		2,0 mm
Outer jacket thickness		1,0 ± 0,2 mm
Cable outer diameter		9,1 (max. 9,4) × 3,8 (max. 4,4) mm (measured acc. to EN 60811-1-1)

* IEC 60794-1-2

Note: When installing or assembly under temperature below 5°C cable has to be stock in temp of 20°C at least 24h before installation.

Cable life time - minimum 30 years

Installation

Span		Installation (1,5% Sag)		Wind				Hoarfrost				Wind + Hoarfrost			
				50 km/h		100 km/h		10 mm		20 mm		50 km/h + 10 mm		50 km/h + 20 mm	
		Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.
20	Force [N]	104		197		511		389		792		477		871	
	Sag [m]	0	0,3	0,32	0,16	0,5	0,06	0	0,45	0	0,6	0,32	0,37	0,29	0,55
40	Force [N]	208		363		875		674		1325		821			
	Sag [m]	0	0,6	0,7	0,34	1,16	0,14	0	1,04	0	1,44	0,78	0,85		
60	Force [N]	316		518		1183		929				1116			
	Sag [m]	0	0,9	1,1	0,54	1,04	0,24	0	1,7			1,25	1,42		
80	Force [N]	416		659				1151				1310			
	Sag [m]	0	1,2	1,54	0,76			0	2,44			1,8	2,04		
100	Force [N]	520		798				1324							
	Sag [m]	0	1,5	1,99	0,98			0	3,22						
120	Force [N]	625		931											
	Sag [m]	0	1,8	2,46	1,21										

Other values are available on request

50 km/h = 13,9 m/s = 121 Pa = Beaufort 7

100 km/h = 28,7 m/s = 482 Pa = Beaufort 10

