

Double Jacket Direct Burial Cable (12 -144 Fibres)

V.3.0

Description

The Optronics multi element multi loose tube cable construction consists of up to 144, 250µm optical fibres in 12 fibre gel filled loose tubes with fillers where appropriate, SZ stranded around a fibre reinforced plastic (FRP) central strength member with waterswellable threads and waterswellable tape. Helically applied non metallic strength members with ripcord and PE inner Jacket, Corrugated steel tape (CST) armouring and black high density polyethylene (HDPE) final jacket with ripcord

Features/Benefits

- ▶ Single layer stranded construction (up to 144 fibres)
- ▶ Corrugated steel tape as protection against rodents and mechanical damage
- ▶ Particularly robust cable, filled loose tube
- ▶ Inner and outer jacket are made of PE- Jacket
- ▶ Wrapped in water blocking tape
- ▶ Core- stranded loose tube, SZ technique
- ▶ Tensile strength elements - dielectric central strength member
- ▶ Fibre relevant standards ITU-T G.652, G. 655, G. 656 or a combination
- ▶ Cable relevant standards IEC 60793 and IEC 60794

Applications

- ▶ Direct burial
- ▶ Used in application with particularly high mechanical loads



Technical Specifications

DESCRIPTION		A-DQ(ZM)	A-DQ(ZM)	A-DQ(ZM)	A-DQ(ZM)	A-DQ(ZM)	A-DQ(ZM)	A-DQ(ZM)	A-DQ(ZM)	A-DQ(ZM)	
		(SR)2Y 12	(SR)2Y 24	(SR)2Y 36	(SR)2Y 48	(SR)2Y 60	(SR)2Y 72	(SR)2Y 96	(SR)2Y 120	(SR)2Y 144	
Maximum Fibre Count	Cores	12	24	36	48	60	72	96	120	144	
Cable Diameter	mm	14.7	14.7	14.7	14.7	14.7	14.7	16.2	17.8	19.5	
Cable Weight	kg/km	195	195	195	195	195	195	235	280	325	
Max.Tensile Load during installation	N	2700	2700	2700	2700	2700	2700	2700	2700	2700	
Fibres per loose tube		12	12	12	12	12	12	12	12	12	
Number of loose buffer tube		1	2	3	4	5	6	8	10	12	
Number of stranding elements		6	6	6	6	6	6	8	10	12	
Min. Bend Radius		20 x cable outer diameter (during laying and installation) 17.5 x cable outer diameter (installed)									
Installation Temperature Range	°C	-5~+50C	-5~+50C	-5~+50C	-5~+50C	-5~+50C	-5~+50C	-5~+50C	-5~+50C	-5~+50C	
Operation Temperature Range	°C	-30~+70C	-30~+70C	-30~+70C	-30~+70C	-30~+70C	-30~+70C	-30~+70C	-30~+70C	-30~+70C	
Transportation Temperature Range	°C	-40~+70C	-40~+70C	-40~+70C	-40~+70C	-40~+70C	-40~+70C	-40~+70C	-40~+70C	-40~+70C	

Ordering information available upon request.



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