

Non-Metallic Direct Burial Cable (12-144 Fibres)

The Optronics 12 elements 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 water swellable threads and water swellable tape. Helically applied non metallic strength members with ripcord. corrugated steel tape (CST) armouring and black high density polyethylene (HDPE) jacket.

Features/Benefits

- > Multi-layered stranded construction (up to 144 fibres)
- > Non-metallic construction
- > Particularly light, thin and robust cable
- > PE - jacket
- > Fibre relevant standards - ITU-T G. 652, G. 655, G. 656 or combination
- > Cable relevant standards - IEC 60793 and IEC 60794
- > Wrapping is made of water blocking tape
- > Dielectric central strength member

Applications

- > Suitable for external duct applications
- > Suitable for concrete channels
- > Can be pulled into duct system

Technical Specifications

DESCRIPTION		A-DQ(ZM) (SR)2Y 12	A-DQ(ZM) (SR)2Y 24	A-DQ(ZM) (SR)2Y 36	A-DQ(ZM) (SR)2Y 48	A-DQ(ZM) (SR)2Y 60	A-DQ(ZM) (SR)2Y 72	A-DQ(ZM) (SR)2Y 96	A-DQ(ZM) (SR)2Y 120	A-DQ(ZM) (SR)2Y 144
Maximum Fibre Count	Cores	12	24	36	48	60	72	96	120	144
Cable Diameter	mm	11.2	11.2	11.2	11.2	11.2	11.2	12.7	14.3	16.0
Cable Weight	kg/km	91	91	91	91	91	91	125	155	190
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 standing elements		6	6	6	6	6	6	8	10	12
Min. Bend Radius		20x cable outer diameter (during laying and installation) 15x 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
Temp. Range Transportation And Operation	°C	-40~+70C	-40~+70C	-40~+70C	-40~+70C	-40~+70C	-40~+70C	-40~+70C	-40~+70C	-40~+70C

Ordering information available upon request.

