

## Armoured Direct Burial Cable (12 -144 Fibres)

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. Corrugated steel tape (CST) armouring and black high density polyethylene (HDPE) jacket.

### Features/Benefits

- > Step layer stranded construction (up to 144 fibres)
- > Corrugated steel tape as protection against rodents and mechanical damage
- > Thin and robust cable
- > Dry core construction
- > PE- Jacket
- > Wrapped in water blocking tape
- > Filled loose tube
- > 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 high mechanical loads

### 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	12.3	12.3	12.3	12.3	12.3	12.3	13.8	15.4	17.1	
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		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.

