

Duct/Aerial Module Riser cable

ID: **X007**

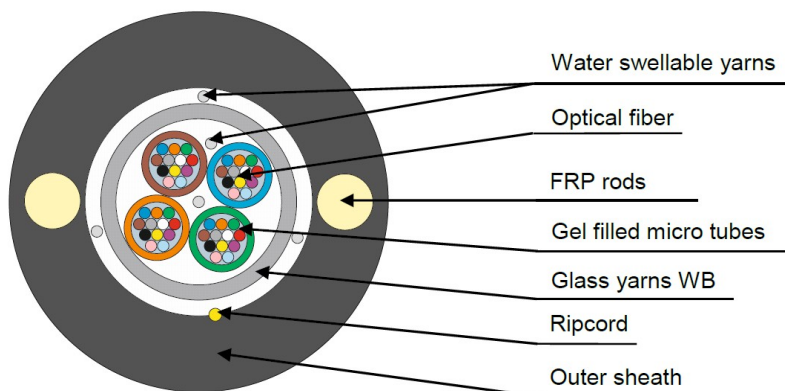


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A-DQ(2ZN)2Y max. 144F

Cable consists of bundle of micro tubes with optical fibers, water swellable yarns and water-blocking glass yarns. Outer sheath is made of MDPE. Two strength element (FRP rods) are located inside the sheath. Ripcord is laid under the sheath.



Construction details

Number of optical fibers in cable	12	24	36	48	72	96	144
Number of optical fibers in module	12	12	12	12	12	12	12
Number of micro tubes	1	2	3	4	6	8	12
Max cable diameter, mm	7,2	9,3	9,3	9,3	10,5	11,4	12,2
Max cable weight, kg/km	42,3	60,9	62,7	63,5	84,1	95,1	110,4
Tensile strength, kN ((EN 60794-1-2-E6))	1	1,2	1,2	1,2	2	2	2,2
Module of Elasticity, kN/mm ²	6,7	5,18	5,18	5,18	6,3	5,36	5,34
Thermal expansion coeff., 10 ⁻⁶ (°C) ⁻¹	13,03	13,78	13,78	13,78	12,08	12,82	12,47
Ovality max, mm	up to 1						
Repeated bending (EN 60794-1-2-E6)	20 cycles, bending radius ±90°						
Temperature cycling (EN 60794-1-2-F1)	temperature range -40 to 70°C, 2 cycles, cycle period ≥16 hours						
Impact (EN 60794-1-2-E4)	Impact energy 5J, 5 cycles						
Crush resistance, N/cm (EN 60794-1-2-E3)	250	250	250	250	250	250	250
Loose tube diameter, mm	1,2	1,2	1,2	1,2	1,2	1,2	1,2
FRP diameter, mm	1	1	1	1	1,2	1,2	1,2
Outer sheath thickness, mm	2	2	2	2	2,2	2,2	2,2

Operation temperatures

Operation temperature	-40°C +70°C
Installation temperature	-10°C +50°C
Storage temperature	-50°C +50°C
Minimum bending radius	10x diameter of cable
Cable life-time	25 years

Sheath marking

Print colour	White
Print method	INK-Jet or Hot-Foil
Print legend	on request
Put-up length, m	2000 / 4000
Packaging	wooden drums

Module and Fibre colour coding

Fibers according to ITU.T.G.652D & G.657A2

red	orange
blue	grey
green	brown
yellow	black
violet	turquoise
white	pink

