

## Outdoor cable

# A-DQ(BN)2Y



Loose tube construction, metal-free, longitudinally watertight, slight rodent protection



### Application

Suited for outdoor use - for fixed laying in cable ducts, conduits or direct burial

### Construction

- FRP-central element
- j jelly-filled loose tubes, SZ-cabling (if necessary with fillers)
- strength members and simultaneous rodent protection by swellable glass yarns
- PE-outer sheath (1,5 mm), UV-resistant, black

### Fiber colours

PENGK KABEL standard according to page 87 - or upon customer requirements other color codes (DIN, TIA / EIA-598 (MPO), IEC - see page 87)

### Tube colours

PENGK KABEL standard according to page 88 - or upon customer requirements other color codes (DIN, TIA / EIA-598 (MPO), IEC - see page 88)

### Standard marking:

double-sinus, phone-sign, meter marking, PENGK KABEL, year of manufacturing - with hot-foil stamping

### On request

- jelly-filled cable core
- increased tensile strength
- increased sheath thickness
- other sheath colour
- coloured stripes
- HDPE or LDPE sheath
- other marking

tube diameter mm	number of tubes	max. fibers / tube	max. number of fibers	tensile strength approx. N	weight approx. kg/km	outer diameter approx. mm
2,0	6*	4	24	1.500	100	10,5
2,3	5*	12	60	1.500	105	11,0
2,3	6	12	72	1.500	120	11,5
2,3	8	12	96	2.000	140	13,0
2,3	10	12	120	2.000	170	14,5
2,3	12	12	144	3.000	205	16,0
2,3	16	12	192	3.000	190	15,5
2,3	18	12	216	3.000	210	16,0
2,8	5*	24	120	1.500	145	12,0
2,8	6	24	144	1.500	150	13,0
2,8	8	24	192	2.000	180	14,7
2,8	10	24	240	2.000	220	16,5
2,8	12	24	288	2.500	265	18,3
2,8	16	24	384	2.500	245	17,7
2,8	18	24	432	3.000	275	18,7

\* at lower number of tubes corresponding blind elements are used

### Technical data

tensile strength	according to IEC 60794-1-E1 value: see above table
compressive strength (crush)	according to IEC 60794-1-E3 value: 3000 N/10 cm
impact	according to IEC 60794-1-E4 value: 25 Nm
torsion	according to IEC 60794-1-E7 value: 5 cycles $\pm$ 1 turn
kink, cable	according to IEC 60794-1-E10 value: The cable do not form a kink when a loop is drawn together to a diameter 12 times the cable outer diameter.
kink, tube	according to IEC 60794-1-E16 value: The tube do not kink.
min. bending radius	according to IEC 60794-1-E11 value: $R = 20 \times D$ (cable outer- $\emptyset$ )
temperature range	according to IEC 60794-1-F1 storage and transport: -40°C up to +70°C installation: -5°C up to +60°C operation: -30°C up to +70°C
water penetration	according to IEC 60794-1-F5 value: No water on free end.