

Outdoor cable

A-DQ(ZN)2Y | Ø 7,0 mm

Center unitube construction, metal-free, longitudinally watertight



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
3,5	1	24	24	1.500	40	7,0

Technical data

tensile strength	according to IEC 60794-1-E1 value: see above table
compressive strength (crush)	according to IEC 60794-1-E3 value: 2000 N/10 cm
impact	according to IEC 60794-1-E4 value: 10 Nm
torsion	according to IEC 60794-1-E7 value: 5 cycles ±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 of 100 mm.
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 x D (cable outer-Ø)
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: -25°C up to +70°C
water penetration	according to IEC 60794-1-F5 value: No water on free end.

Application

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

Construction

- central, gel-filled loose tube
- strength members (aramide yarns)
- PE-outer sheath (1,5 mm), UV-resistant, black

Fiber colours

PENG KABEL standard according to page 89 - or upon customer requirements other color codes (DIN, TIA / EIA-598 (MPO), IEC - see page 89)

Tube colour

PENG KABEL standard according to page 90 - or upon customer requirements other color codes (DIN, TIA / EIA-598 (MPO), IEC - see page 90)

Standard marking:

PENG KABEL - cable type - fiber count/type - ID number - meter - with hot-foil stamping

On request

- increased tensile strength
- increased sheath thickness
- other sheath colour
- coloured stripes
- HDPE or LDPE sheath
- other marking