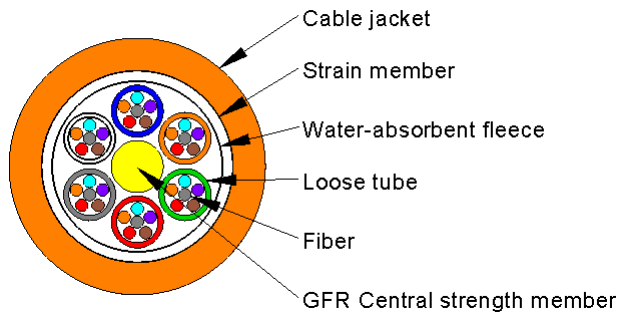


Universal Multi Loose Tube Cable with 24-72 Fibers, Dca-s2,d1,a1



Application

Series of IEC 11801

Standards

EN 50173; EN 50174; IEC 14763; IEC 60793; IEC 60794; EN 50575+A1

Fire behaviour

Euroclass:	Dca
Smoke production:	s2
Flaming droplets:	d1
Acidity:	a1
Flame retardant	IEC 60332-1
Halogen free	IEC 60754-2 (IEC 60754-1)
Smoke density	IEC 61034-2

Construction

Construction	A/I-DQ(ZN)BH
Outer jacket	Ø 13.7 mm ± 0.3 mm; UV resistant FRNC/LSZH
Weight	170 kg/km
Cable marking	TELEGÄRTNER Universal – "Standard cable print" "fire classification" "manufacturing date" "production batch no." "sequential length in meters".
Colour cable printing	blue
Cable core	Loose tube jelly filled (non-dripping and silicon-free)
max. 12 fibers per loose tube	Ø 2.5 mm
Loose tube colour code	1. red – 2. green – rest white
Fiber colour code	red-green-blue-yellow-violet-pink-orange-black-grey-brown-white-turquoise
Strain member	Swellable glass yarns, also used for rodent protection and longitudinal watertightness

Mechanical characteristics

Bending radius for fibres	> 25 mm
Bending radius static	20x cable diameter acc. to IEC 60794-1-21-E11
Bending radius dynamic	20x cable diameter acc. to IEC 60794-1-21-E6
Tensile strength	acc. to IEC 60794-1-21-E1
Installation (short term)	6600 N
Operation (long term)	2200 N
Crush resistance	acc. to IEC 60794-1-21-E3
Installation (short term)	15 kN/m
Operation (long term)	7.5 kN/m
Longitudinal watertightness	acc. to IEC 60794-1-22-F5
Corrosivity	acc. to IEC 60754-2
Degree of acidity of gases	min. 4.3 pH; max. 10µS/mm
Halogen free	acc. to IEC 60754-1 Zero

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Thermal properties

Temperature range	acc. to IEC 60794-1-22-F1
Storage	-30 bis +70 °C
Installation	-5 bis +50 °C
Operation	-30 bis +70 °C

Optical properties

Fiber data sheet for OS2: T00004A0014; OM2-OM4: T00004A0015

Guide to installation and handling

To ease insertion into tubes by means of compressed air or pulling wire, certified lubricants (e.g. paraffin) may be used. The use of soap or similar substances as lubricants is strictly prohibited.
If a cable needs to be fastened, constructions > 0.3 mm must be prevented.
The jelly filling inside the tubes can be removed using a tissue soaked in turpentine.
It is advisable to cap the cable-ends during storage.

Ordering information

Std. plywood reel (non-returnable) Ø 1250 x 688 mm, 74 kg
Std. delivery length 2000 m +5% / -0%

Order no	Standard Cable print	Jacket colour	Barcode EAN13	Fiber count	Fiber type
L08020T1016	A/I-DQ(ZN)BH 4x12E9/125 OS2	yellow	4018359496203	48	Singlemode OS2
L08021T1126	A/I-DQ(ZN)BH 4x12G50/125 OM2	orange	4018359497071	48	Multimode OM2
L08021T1226	A/I-DQ(ZN)BH 4x12G50/125 OM3	orange	4018359497088	48	Multimode OM3
L08021T1227	A/I-DQ(ZN)BH 5x12G50/125 OM3	orange	4018359513948	60	Multimode OM3
L08021T1325	A/I-DQ(ZN)BH 2x12G50/125 OM4	orange	4018359515508	24	Multimode OM4
L08021T1326	A/I-DQ(ZN)BH 4x12G50/125 OM4	orange	4018359497095	48	Multimode OM4

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The editions of the aforementioned standards by the time of 08.01.2018 are valid.