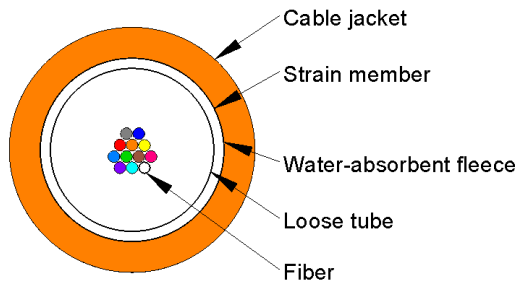


Universal Central Loose Tube Cable with 4-24 Fibers, Dca-s2,d1,a1



Application

Series of IEC 11801

Applicable 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 5.8 mm ± 0.3 mm; UV resistant FRNC/LSZH
Weight	37 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. 24 fibers	Ø 0.3 mm
Fiber colour code	1-12: red-natural-yellow-blue-green-violet-brown-black-orange-turquoise-pink-white 13-24: red-natural-yellow-blue-green-violet-brown-grey-orange-turquoise-pink-white <u>with rings</u>
Strain member	Swellable glass yarns, also used for rodent protection and longitudinal watertightness

Mechanical properties

Bending radius for fibres	> 25 mm
Bending radius static	10x 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)	1500 N
Operation (long term)	700 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 to +70 °C
Installation	-5 to +50 °C
Operation	-30 to +70 °C

Optical properties

Fiber data sheet for OS2: T00004A0014; OM1-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, constrictions > 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 600 x 447 mm, 5.9 kg

Std. delivery length 2000 m +5% / -0%

Order no	Standard Cable print	Jacket colour	Barcode EAN13	Fiber count	Fiber type
L08020T0012	A/I-DQ(ZN)BH 1x6E9/125 OS2	yellow	4018359514938	6	Singlemode OS2
L08020T0014	A/I-DQ(ZN)BH 1x12E9/125 OS2	yellow	4018359495640	12	Singlemode OS2
L08020T0015	A/I-DQ(ZN)BH 1x24E9/125 OS2	yellow	4018359495657	24	Singlemode OS2
L08021T0121	A/I-DQ(ZN)BH 1x4G50/125 OM2	orange	4018359495671	4	Multimode OM2
L08021T0122	A/I-DQ(ZN)BH 1x6G50/125 OM2	orange	4018359495688	6	Multimode OM2
L08021T0123	A/I-DQ(ZN)BH 1x8G50/125 OM2	orange	4018359495695	8	Multimode OM2
L08021T0124	A/I-DQ(ZN)BH 1x12G50/125 OM2	orange	4018359495701	12	Multimode OM2
L08021T0125	A/I-DQ(ZN)BH 1x24G50/125 OM2	orange	4018359495718	24	Multimode OM2
L08021T0221	A/I-DQ(ZN)BH 1x4G50/125 OM3	orange	4018359495725	4	Multimode OM3
L08021T0222	A/I-DQ(ZN)BH 1x6G50/125 OM3	orange	4018359495732	6	Multimode OM3
L08021T0223	A/I-DQ(ZN)BH 1x8G50/125 OM3	orange	4018359495749	8	Multimode OM3
L08021T0224	A/I-DQ(ZN)BH 1x12G50/125 OM3	orange	4018359495756	12	Multimode OM3
L08021T0225	A/I-DQ(ZN)BH 1x24G50/125 OM3	orange	4018359495763	24	Multimode OM3
L08021T0321	A/I-DQ(ZN)BH 1x4G50/125 OM4	orange	4018359495770	4	Multimode OM4
L08021T0322	A/I-DQ(ZN)BH 1x6G50/125 OM4	orange	4018359497033	6	Multimode OM4
L08021T0323	A/I-DQ(ZN)BH 1x8G50/125 OM4	orange	4018359497040	8	Multimode OM4
L08021T0324	A/I-DQ(ZN)BH 1x12G50/125 OM4	orange	4018359497057	12	Multimode OM4
L08021T0325	A/I-DQ(ZN)BH 1x24G50/125 OM4	orange	4018359497064	24	Multimode OM4
L08021T0332	A/I-DQ(ZN)BH 1x6G50/125 OM4	violet	4018359514907	6	Multimode OM4
L08021T0334	A/I-DQ(ZN)BH 1x12G50/125 OM4	violet	4018359514914	12	Multimode OM4
L08021T0335	A/I-DQ(ZN)BH 1x24G50/125 OM4	violet	4018359514921	24	Multimode OM4
L08022T0021	A/I-DQ(ZN)BH 1x4G62,5/125 OM1	orange	4018359497118	4	Multimode OM1
L08022T0022	A/I-DQ(ZN)BH 1x6G62,5/125 OM1	orange	4018359497125	6	Multimode OM1
L08022T0023	A/I-DQ(ZN)BH 1x8G62,5/125 OM1	orange	4018359497132	8	Multimode OM1
L08022T0024	A/I-DQ(ZN)BH 1x12G62,5/125 OM1	orange	4018359497149	12	Multimode OM1
L08022T0025	A/I-DQ(ZN)BH 1x24G62,5/125 OM1	orange	4018359497156	24	Multimode OM1

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