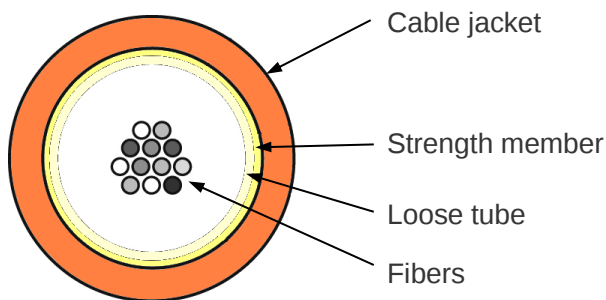


Central loose tube cable with 4–24 Fibers, Dca-2, d1, a1

Cable Construction



Application

This cable can be used for LAN and WAN backbones, telecom access lines, fibre to business and fibre to the building drop connections; as well as fibre to the home drop and access connections. These cables are halogen-free (FRNC and LSZH) and therefore suitable for both outdoor and indoor use. The cable is a simple all dielectric cable construction with non-metallic rodent protection. It's easy to install in ducts, tunnels and trenches. The cables are suitable for direct burial with proper sand back filling.

Standards

DIN EN 50173-1:2002; ISO/IEC 11801: Edition 2; IEC 60794-1

Fire rating

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

Cable core	loose tube, jelly filled
max. 24 fibres:	ø 3.3 mm
Fibre colour code	accordance to IEC 60304
Strength member	Swellable yarns; also used for rodent protection and longitudinal watertightness
Cable jacket	halogen-free (FRNC/LSZH)
Jacket marking: black	TELEGÄRTNER Universal - "Standard cable print" "fire classification" "manufacturing date" "production batch no." "sequential length in meters"

Mechanical properties

Outer diameter	
max. 24 fibres:	5.8 mm (max. 6.1 mm)
Weight	
max. 24 fibres:	37 kg/km
Bending radius for fibres and tubes	
Installation/ operation:	> 25 mm
Bending radius cable	
static:	10x cable diameter (acc. to IEC 60794-1-2-E11)
dynamic:	20x cable diameter (acc. to IEC 60794-1-2-E6)
Tensile strength	(acc. to IEC 60794-1-2-E1)
short term:	1500 N
permanent:	700 N
Compressive strength	15000 N/dm
Watertightness	passed (acc. to IEC 60794-1-2-F5)

Note: Technical specifications are subject to change without notice. All printing errors are subject to correction.

Central loose tube cable with 4–24 Fibers, Dca-2, d1, a1



Flame retardancy	passed (acc. to IEC 60332-1 (EN 50265-2-1))
Halogene free	acc. to IEC 60754-2 (EN 50267-2-2)
Corrosivity	pH ≥ 3,5 - μS/cm ≤ 100

Thermal properties

Temperature range	
Storage:	-30 °C up to +70 °C
Installation:	-5 °C up to +50 °C
Operation:	-30 °C up to +70 °C

Ordering information

Order- no.	DIN-Description	Jacket colour	Fibre count	Fibre type	Fibre data sheet
L08020A0104	A/I-DQ(ZN)BH 1*4E9/125 OS2	yellow	4	Singlemode OS2	T00004A0014
L08020A0108	A/I-DQ(ZN)BH 1*8E9/125 OS2	yellow	8	Singlemode OS2	T00004A0014
L08020A0112	A/I-DQ(ZN)BH 1*12E9/125 OS2	yellow	12	Singlemode OS2	T00004A0014
L08020A0124	A/I-DQ(ZN)BH 1*24E9/125 OS2	yellow	24	Singlemode OS2	T00004A0014
L08021A0104	A/I-DQ(ZN)BH 1*4G50/125 OM2	orange	4	Multimode OM2	T00004A0015
L08021A0106	A/I-DQ(ZN)BH 1*6G50/125 OM2	orange	6	Multimode OM2	T00004A0015
L08021A0108	A/I-DQ(ZN)BH 1*8G50/125 OM2	orange	8	Multimode OM2	T00004A0015
L08021A0112	A/I-DQ(ZN)BH 1*12G50/125 OM2	orange	12	Multimode OM2	T00004A0015
L08021A0324	A/I-DQ(ZN)BH 1*24G50/125 OM2	orange	24	Multimode OM2	T00004A0015
L08021B0304	A/I-DQ(ZN)BH 1*4G50/125 OM3	turquoise	4	Multimode OM3	T00004A0015
L08021B0308	A/I-DQ(ZN)BH 1*8G50/125 OM3	turquoise	8	Multimode OM3	T00004A0015
L08021B0312	A/I-DQ(ZN)BH 1*12G50/125 OM3	turquoise	12	Multimode OM3	T00004A0015
L08021B0324	A/I-DQ(ZN)BH 1*24G50/125 OM3	turquoise	24	Multimode OM3	T00004A0015
L08021C0304	A/I-DQ(ZN)BH 1*4G50/125 OM4	heather violet	4	Multimode OM4	T00004A0015
L08021C0308	A/I-DQ(ZN)BH 1*8G50/125 OM4	heather violet	8	Multimode OM4	T00004A0015
L08021C0312	A/I-DQ(ZN)BH 1*12G50/125 OM4	heather violet	12	Multimode OM4	T00004A0015
L08021C0324	A/I-DQ(ZN)BH 1*24G50/125 OM4	heather violet	24	Multimode OM4	T00004A0015
L08021F0312	A/I-DQ(ZN)BH 1*12G50/125 OM5	limegreen	12	Multimode OM5	T00004A0015
L08021E0324	A/I-DQ(ZN)BH 1*24G50/125 OM5	limegreen	24	Multimode OM5	T00004A0015
L08022A0104	A/I-DQ(ZN)BH 1*4G62,5/125 OM1	orange	4	Multimode OM1	T00004A0016
L08022A0106	A/I-DQ(ZN)BH 1*6G62,5/125 OM1	orange	6	Multimode OM1	T00004A0016
L08022A0108	A/I-DQ(ZN)BH 1*8G62,5/125 OM1	orange	8	Multimode OM1	T00004A0016
L08022A0112	A/I-DQ(ZN)BH 1*12G62,5/125 OM1	orange	12	Multimode OM1	T00004A0016
L08022A0324	A/I-DQ(ZN)BH 1*24G62,5/125 OM1	orange	24	Multimode OM1	T00004A0016

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