



Applications:

The Distribution cable is ideal for fiber optic cable assemblies in Data Center environments. Specially developed for easy stripping and handling, saving time during assembly. Excellent temperature stability for category C applications.

Standards

IEC 60794-1-2 F1	Temperature
IEC 60794-1-2 E1	Tensile Performance
IEC 60794-1-2 E3	Crush Resistance
IEC 60794-1-2 E4	Impact
IEC 60794-1-2 E6	Repeated Bending
IEC 60794-1-2 E7	Torsion
IEC 60794-1-2 E11	Bending

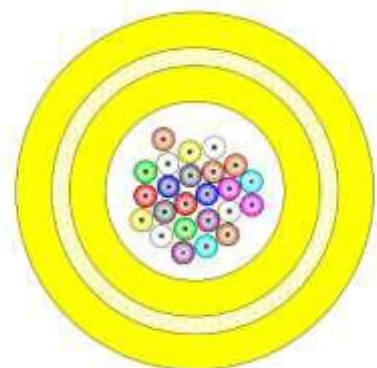
IEC 60754-1/-2	Zero Halogen,
EN 50267-1-2/-2-2	non-corrosive gases
VDE0482-267-2-1/-2-2	

IEC 60332-1-2	Flame retardant
EN 60332-1-2	
VDE0482-332-2-1	

IEC 61034-1/-2	Minimum smoke emission
EN 61034-1/-2	
(EN 50268-1/-2)	

Structure (up to 24 fibers)

1. Up to 24 bare fibers
2. LSZH Loose tube
3. Aramid yarn
4. LSZH jacket



Distribution cable, with CPR class B2ca-s1a,d0,a1 has a slim design (from 2.2mm up to 3.0mm) with up to 24 bare fibers in one dry loose tube. The fibers are strain-relieved with aramid yarn and additional protection is provided by the outer Low Smoke Zero Halogen (LSZH) jacket.

Optical Properties

The cable is available with the following fiber types:

Singlemode	Multimode
- G652	- OM1
- G657.A1	- OM2
- G657.A2	- OM3
- G657.B3	- OM4
- G655	- OM5

Temperature Properties

Installation	-10°C to +50 °C
Service	-20°C to +70 °C
Storage	-25°C to +70 °C

Specifications and Performance

#No. of fibers	4	8	12	24
Diameter [mm]	2.2		3.0	
Weight [kg/km]	4.5		16	
Bending radius [mm]				
- In service	35 / 16(G657.B3)	50 / 22(G657.B3)		
- Max tensile load	50 / 24(G657.B3)	80 / 33(G657.B3)		
Allowed tension [N]				
- In service	250	300		
- During installation	350	500		
Allowed crush, [N/dm]				
- Long term	1000	1500		
- Short term	3000	3000		

Datasheet

FTTH-IHK Distribution cable



Variants

Name	No. of tubes	No. of fibers	Diameter (mm)	Weight (kg/km)	Tensile (N)	
FTTH-IHK-6F	1	4	2.2	8.5	250	1000
FTTH-IHK-8F	1	8	3.0	10.0	300	1500
FTTH-IHK-12F	1	12	3.0	10.5	300	1500
FTTH-IHK-24F	1	24	3.0	11.0	300	1500