



B2ca

CONSTRUCTION PRODUCT REGULATION

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

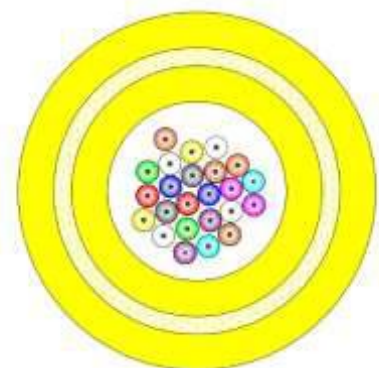
IEC 60754-1/-2	Zero Halogen,
EN 50267-1-2/-2-2	non-corrosive gases
VDE0482-267-2-1/-2-2	

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-s1,d0,a1 has a slim design 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	6	8	12	24
Diameter [mm]	4.0			
Weight [kg/km]	~16			
Bending radius [mm]	50			
- In service	80			
- Max tensile load				
Allowed tension [N]	400			
- In service	600			
- During installation				
Allowed crush, [N/dm]	1500			
- Long term	3000			
- Short term				

Datasheet

FTTH-IHK Distribution cable



Variants

Name	No. of tubes	No. of fibers	Diameter (mm)	Weight (kg/km)	Tensile (N)	Crush (N/dm)
FTTH-IHK-6F	1	6	4.0	15.3	400	1500
FTTH-IHK-8F	1	8	4.0	15.3	400	1500
FTTH-IHK-12F	1	12	4.0	15.8	400	1500
FTTH-IHK-24F	1	24	4.0	15.8	400	1500