

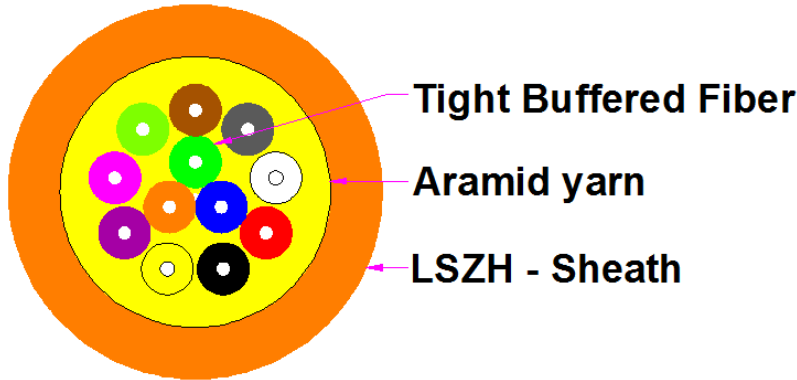
# Multi Purpose Distribution Cable

## 1. General

### 1.1 Cable Description

Multi-purpose distribution cable use several 900  $\mu$  m flame-retardant tight buffer fiber as optical communication medium, the tight buffer fiber wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a LSZH (low smoke, zero halogen, flame-retardant) jacket.

### 1.2 Cable Structure



### 1.3 Characteristics

- A. Tight buffer fiber easy strip
- B. Tight buffer fiber has excellent flame-retardant performance
- C. Aramid yarn as strength member make cable have excellent tensile strength
- D. The jacket anti-corrosion, anti-water, anti-ultraviolet radiation, flame-retardant and harmless to environment etc.

### 1.4 Cable Application

- A. Indoor any purpose cable distribution

### 1.5 Cable Properties

Transport temperature: - 20 deg C to + 60 deg C  
 Storage Temperature: - 20 deg C to + 60 deg C  
 Operating temperature: - 20 deg C to + 60 deg C  
 Installation temperature: - 5 deg C to + 50 deg C

### 1.6 Color code scheme: According to EIA/TIA 598

No.	1	2	3	4	5	6	7	8	9	10	11	12
Fiber color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua
Tube color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

## 2. Optical Characteristics & Technical Parameters

### 2.1 Technical Parameters

Cable Code	Cable Diameter mm	Cable Weight(Ref) kg/km	Tensile strength Long/Short term mm	Crush Resistance Long/short term N/100mm	Bending Radius Dynamic/Static mm
		LSZH jacket			
GJFJV(H)-4F	4.8±0.3	18.0	130/440	300/1000	20D/10D
GJFJV(H)-8F	5.6±0.3	31.0	130/440	300/1000	20D/10D

## 2.2 Optical Characteristics

Fiber Type	Attenuation				OFL	Valid mode band width	10G Ethernet link length SX	Min. bending radius
Condition	1310/1550nm		850/1300nm		850/1300nm	850nm	850nm	
	Typical	Max.	Typical	Max.				
Unit	dB/km	dB/km	dB/km	dB/km	MHZ.km	MHZ.km	m	mm
G652D	0.36/0.22	0.5/0.4						16
G657A1	0.36/0.22	0.5/0.4						10
G657A2	0.36/0.22	0.5/0.4						7.5
OM3			3.0/1.0	3.5/1.5	$\geq 1500/500$	$\geq 2000$	$\leq 300$	30

The sheath marking are hot stamped on the sheath at one meter interval with white color. The accuracy of the length marking shall be 0 ~ +1%.