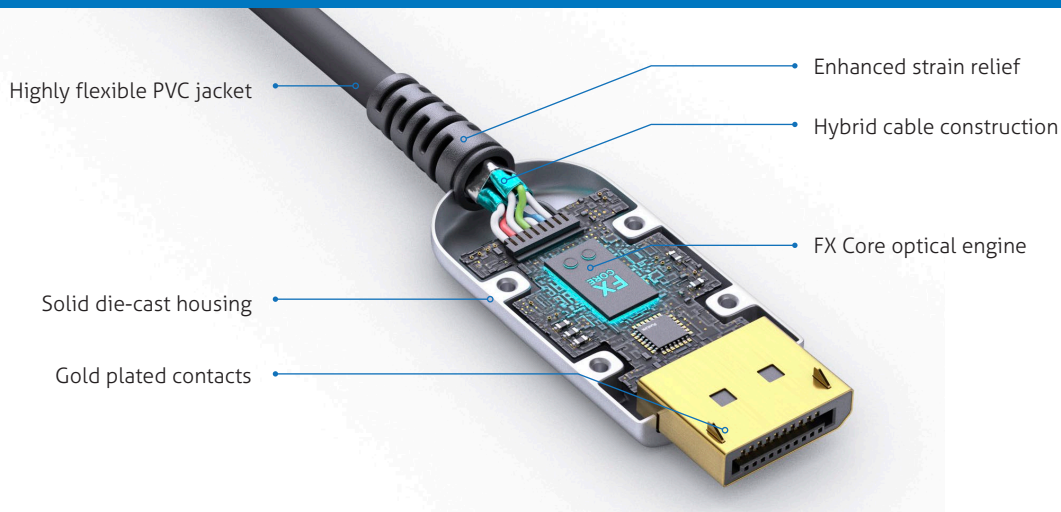


FiberX Series

FX-I250 | Active Optical DisplayPort 1.2 Cables



DESCRIPTION

The FiberX Active Optical DisplayPort 1.2 Cables FX-I250 transmits uncompressed audio and video signals up to 100m distance.

This compact cable is designed for professional applications - it handles full 21.6 Gbps bandwidth with supreme 24/7 reliability while providing simple plug and play usability. It contains both fiber optic and copper cores, is lightweight, flexible and has an ultra-small bend radius.

With it's advanced optical engine the DisplayPort hybrid cable provides full DisplayPort signal integrity and supports transparent EDID, HDCP and DPCP as well as zero frame delay, no latency, no compression. The end user experience is that of a short high quality copper cable. Connect and perform.

FEATURES AND PERFORMANCE

- Active optical fiber transmission at full 21.6 Gbps bandwidth
- 5.4 Gbps/lane (HBR2) link rate
- Resolutions up to 4K@60Hz 4:4:4
- DisplayPort 1.2 compliant
- HDCP compliant
- Supports transparent EDID
- Zero frame delay, no latency, no compression
- Hybrid construction, super lightweight, small bend radius, compact design
- AUX and Hot Plug channels are transmitted by copper wire
- Kevlar reinforced sheath
- Supports all DisplayPort audio formats
- Easy Plug & Play installation
- Metal housing for optimized EMI protection

APPLICATION

INPUT

Graphic Cards
Gaming Devices
Computer



OUTPUT

TV
Monitor
Projector



DETAILED TECHNICAL SPECIFICATION

Connections	
Plug material	Die cast zinc alloy
Contact material	24 carat gold plating
Shielded	Yes
Connector 1	DisplayPort male
Dimension connector 1	46.9 x 20.0 x 12.3 (mm)
Connector 2	DisplayPort male
Dimension connector 2	46.9 x 20.0 x 12.3 (mm)

Cable	
Type	Round cable
Construction	Hybrid optical cable 4x OM3 fiber 7x Copper wire
Outer sheath material	High flexible PVC
Outer sheath diameter	4.8mm
Bend radius	20mm
Pulling strength	10kg

Signal Transmission	
Transmission modes	Digital audio and video signals
Standard	DisplayPort 1.2, HBR2, HDCP, EDID
Bandwidth	21.6 Gbps (5.4 Gbps / lane)
Resolution	Up to 4K / UltraHD / 2160p (4096x2160) @60Hz, 4:4:4
Supported audio	Up to 8 channels with 16 or 24 bits linear PCM & 32 to 192 kHz sampling rates

General	
Transmission distance	Up to 100m
Operation / storage temperature	-10-50°C / -20-60°C
Humidity	10% - 80% RH
Power supply	No external power required (draws current from source)
Power consumption	0.25 W (max)
Certification	CE, FCC, REACH, ROHS

Connector

Standard DisplayPort connector

Shield

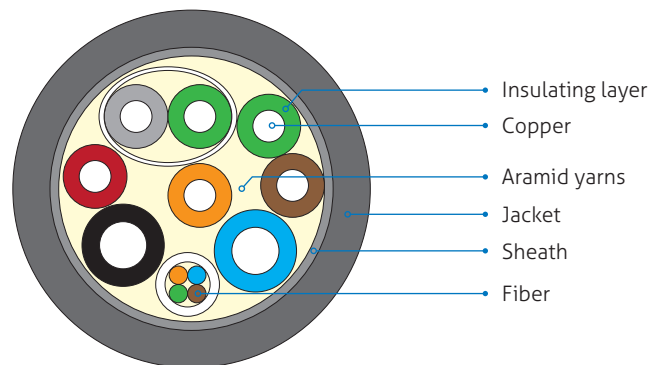
Robust EMI shield

Strain Relief

Enhanced bending cycles

Hybrid Cable

High flexible PVC



PRODUCT OVERVIEW

Part Number	Color	Length	EAN	Weight	Quantity (PU)	Weight (PU)	Size (PU)
FX-I250-010	black	10 m	4251364715178	0.80 kg	10 pcs	8.0 kg	47 x 38.5 x 25.5 cm
FX-I250-015	black	15 m	4251364715185	0.95 kg	10 pcs	9.5 kg	47 x 38.5 x 25.5 cm
FX-I250-020	black	20 m	4251364715192	1.05 kg	10 pcs	10.5 kg	47 x 38.5 x 25.5 cm
FX-I250-025	black	25 m	4251364715208	1.25 kg	10 pcs	12.5 kg	47 x 38.5 x 25.5 cm
FX-I250-030	black	30 m	4251364715215	1.30 kg	10 pcs	13.0 kg	47 x 38.5 x 25.5 cm
FX-I250-040	black	40 m	4251364715222	1.55 kg	10 pcs	15.5 kg	47 x 38.5 x 25.5 cm
FX-I250-050	black	50 m	4251364715239	2.15 kg	10 pcs	21.5 kg	56.5 x 38.5 x 25.5 cm
FX-I250-060	black	60 m	4251364715246	2.35 kg	10 pcs	23.5 kg	56.5 x 38.5 x 25.5 cm
FX-I250-070	black	70 m	4251364715253	2.60 kg	5 pcs	13.0 kg	39 x 35 x 34.3 cm
FX-I250-100	black	100 m	4251364715260	3.70 kg	5 pcs	18.5 kg	39 x 35 x 34.3 cm