



General Description

PDR's SMPTE Cable Assemblies are engineered for HDTV broadcast infrastructure and other high-performance video applications. They provide a ruggedized, dirt-protected fiber optic connection system featuring all-metal connector housings, heavy-duty cable retention, and silicon gaskets for reliable dust and dirt protection. These assemblies are available in both single-mode and multimode fiber types, with full customization support for repairs, replacements, and system-specific designs.

Key Features

- Rugged all-metal connector housing for durability
- Heavy-duty cable retention for secure long-term performance
- Silicon gasket protection against dust and dirt
- Wide range of connector types: SC, LC, FC, ST, MU, MTRJ, SMA, E2000, etc.
- Supports single-mode (9/125 μm) and multimode (50/125 μm , 62.5/125 μm , OM3) fiber
- Multiple jacket types (simplex, duplex, mini-zipcord, armored, FTTH)
- Customizable lengths from 0.5 m to 999 m
- Full support for repair, replacement, and custom configuration

PDR VIDEOTRONICS (INDIA) PRIVATE LIMITED

ADDRESS

99, Old Prabhadevi Road
Mumbai 400 025, India

CONTACT

T: +91 22 2430 6494 / 2430 9536 / 2436 1647
M: +91 86910 00897 / 95946 56333

ONLINE

E: info@pdrworld.com
W: www.pdrworld.com

Technical Specifications

Parameter	Specification
Fiber Type	Single-mode (9/125 μm); Multimode (50/125 μm , 62.5/125 μm , OM3)
Connector Options	SC, LC, FC, ST, MU, MTRJ (w/wo pin), SMA, E2000
Insertion Loss	≤ 0.30 dB (typical); ≤ 0.50 dB (maximum)
Return Loss	≥ 50 dB UPC; ≥ 60 dB APC
Operating Temperature	-40 °C to $+75$ °C
Storage Temperature	-55 °C to $+85$ °C
Tensile Strength	100 N – 150 N (depending on cable type)
Durability (Matings)	≥ 500 cycles
Cable Jacket Options	Simplex, duplex, mini-zipcord, FTTH, armored
Length Options	0.5 m to 999 m (custom lengths available)
Dust/Dirt Protection	Silicon gasket integrated

Applications

- HDTV broadcast infrastructure
- Broadcast studio installations
- Outdoor field deployment
- Outside Broadcast (OB) vans
- System integration

Ordering Information

Standard Package Contents

Item	Quantity
SMPTE Cable Assembly (custom configured)	1
Connector Dust Caps (fitted)	As required
Test / QC Report	1

Fiber type, connector options, jacket type and cable length are specified at time of order. Package contents may vary by configuration.

PDR VIDEOTRONICS (INDIA) PRIVATE LIMITED

ADDRESS

99, Old Prabhadevi Road
Mumbai 400 025, India

CONTACT

T: +91 22 2430 6494 / 2430 9536 / 2436 1647
M: +91 86910 00897 / 95946 56333

ONLINE

E: info@pdrworld.com
W: www.pdrworld.com