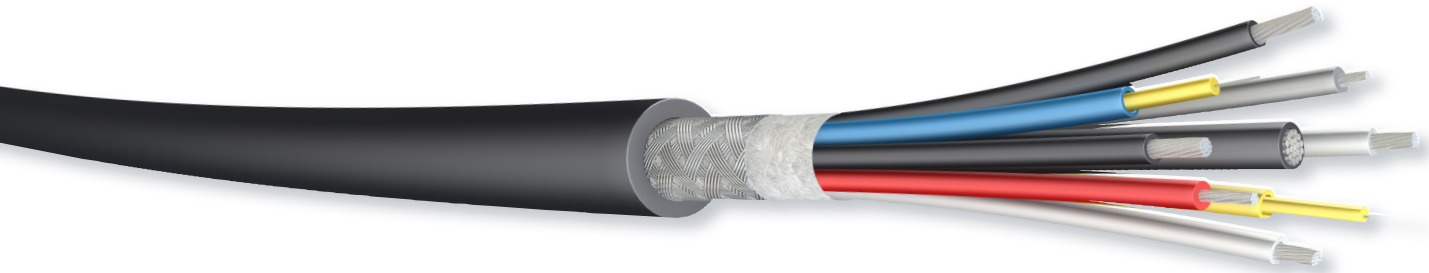


## LSZH Fibre Hybrid HDTV Camera Cable - SMPTE 311 M - C



Event<sup>®</sup> install



### Application

When carrying HD-SDI video many venues and large facilities need longer distances. SMPTE 311 M is the solution that fills that requirement. Designed for high-definition (HD) cameras, this composite cable can carry multiplex audio signals, video signals and deliver power.

### Cable Design

**Element 1** .....Auxillary Conductor (4x20awg)  
 Conductor.....Stranded tinned copper, 19x0.204 mm nom.  
 Insulation.....LSZH FireFighter Ø 1,60 mm nom.  
 Core identification.....2 Black, 2 White  
 DC Resistance.....37 Ω/Km max. @ 20°C

**Element 2** .....Signal Conductors (2x24awg)  
 Conductor.....Stranded tinned copper, 7x0.203 mm nom.  
 Insulation.....LSZH FireFighter Ø 1,20 mm nom.  
 Core identification.....Red / Grey  
 DC Resistance .....85.0 Ω/Km max. @ 20°C

**Element 3** .....Fibre Optic (2xSM ULTRA G657.A1) Tight Buffered  
 Buffer Material.....HFFR  
 Strength Member.....Aramid strength yarns  
 Sheath .....LSZH FireFighter Ø 1,60 mm nom.  
 Identification.....Blue, Yellow  
 Attenuation.....according to SMPTE311-2009 ≤ 0.8 dB/km (method FOTP-61).



## LSZH Fibre Hybrid HDTV Camera Cable - SMPTE 311 M - C

### Lay up and Construction

- Central Element.....LSZH sheathed 19x0,35mm Steel stranded wires
- Cable Core .....Elements 1, 2 and 3 around Central element with fillers
- Tape.....Plastic tape overlapped
- Braid.....Tinned copper wire braid. coverage 85 % (nom.)
- Outer Jacket.....LSZH FireFighter Ø 9,20 mm nom.

## Standards

Flammability Rating	IEC 60332-3 , IEC 60754-1/2, IEC 61034-1/2, EN 50575:2014 Cca-s1a,d1,a1 (CPR)
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## Performance

Dielectric Strength	1500 V/minute
Voltage Rating	300 V
Max. Installation Tensile Load	1500 N max.
Max. Residual Tension (MRS)	900 N max.
Impact Resistance	2.2 N*m
Max. Crush Resistance	440 N/cm
Min. Bend Radius for Installation	20xD mm
Min. Bend Radius	10xD mm
Operating Temperature	-30 °C to +80 °C
UV Resistance	Yes

## Specification

Part Number	Type
406311M-C	LSZH Fibre Hybrid HDTV Camera Cable SMPTE 311 M - C (EN 50575:2014 Cca-s1a,d1,a1)