



Product Data Sheet

FURUKAWA TV-OM-AMS SMPTE CAMERA CABLE

Description



FURUKAWA TV-OM-AMS CABLE per meter

AM-00-3002

This cable is designed to be suitable for a wide range of applications such as for fixed installation in facilities, as a relay cable or for patching.

The cable integrates power lines for a TV camera, control lines, and optical fibers for video and audio transmission.

Product Data

Optical fiber	
Type of fiber	Single-mode silica fiber
Mode field diameter	9.0±1µm
Clad diameter	125±1µm
Amount of eccentricity	1µm or less
Cutoff wavelength	1.10-1.35µm
Coated outside diameter	0.9±0.1mm



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Item	Condition	Characteristics	Conversion	
			Condition (km)	Formula
Transmission loss	$\lambda = 1.31\mu\text{m}$	0.5dB/km \geq	$L \geq 0.4$	$0.5 \times L \text{dB} \geq$
			$L < 0.4$	$0.5 \times 0.4 \text{dB} \geq$

Power line

Conductor resistance	37.50 /km
Insulation resistance	10,000MO·km
Withstand voltage	AC1,000V/1min.
Conductor	Tin-plated soft copper wire strand
(21wire/0.18mm)	
Insulation thickness	0.4mm nominal

Control line

Conductor resistance	1130/km
Insulation resistance	10,000MO·km
Withstand voltage	AC1,000V/1min.
Conductor	Tin-plated soft copper wire strand
(7wire/0.18mm)	
Insulation thickness	0.3mm nominal



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Strength member	
Material	Steel wire (1.8mm)
Sheath outside diameter	2.5mm
Shield	
Material	Tin-plated soft copper wire braid
Mechanical characteristics	
Shield	Tin-plated soft copper wire braid
Sheath (Pb-free)	Abrasion-resistant sheath
Finished outside diameter	9.2±0.3mm nominal
Approximate mass	120kg/km nomina
Operating temp.	-20°C ~ 60°C
Allowable tension	700N
Allowable bending radius	>57