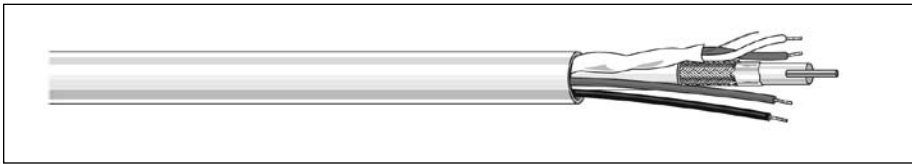


SMPTE-311 Hybrid Fiber Optic/Copper Camera Cable



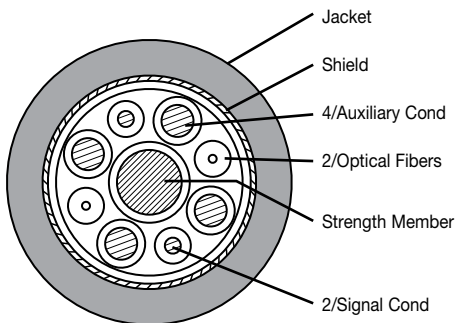
CATALOG NUMBER	AUXILIARY CONDUCTOR	SIGNAL COND.	OPTICAL FIBER	STRENGTH MEMBER	SHIELD	JACKET
742608	(4) 20 AWG 26/34 Strand Tinned Cu High-density Polyethylene Insul. O.D. 0.060"	(2) 25 AWG 7/33 Strand Tinned Cu High-density Polyethylene Insul. O.D. 0.045"	(2) 9.5 Micron Single-Mode	14 AWG 19/27 Strand Galvanized Steel	95% Braid Tinned CU	Flexible PVC (HQA) Black 0.362" O.D. 9.20 mm
574608	(4) 20 AWG 26/34 Strand Tinned Cu High-density Polyethylene Insul. O.D. 0.060"	(2) 25 AWG 7/33 Strand Tinned Cu High-density Polyethylene Insul. O.D. 0.045"	(2) 9.5 Micron Single-Mode	14 AWG 19/27 Strand Galvanized Steel	95% Braid Tinned CU	Ruggedized Outdoor TPR Black 0.362" O.D. 9.20 mm

NOTE: General Cable manufactures the above cables in a wide range of alternate AWG sizes, pair counts and jacket colors. Please consult Customer Service for details.

Cable Characteristics

ELEMENT NUMBER	(1) AUXILIARY CONDUCTORS	(2) SIGNAL CONDUCTORS	(3) SINGLEMODE FIBER OPTIC	
CONDUCTOR DCR	35.29Ω/Km max @20°C	97.5Ω/Km max @20°C	<i>Mode Field Data</i>	9.5+/-1 Micron
DC LOOP RESISTANCE	43Ω/Km max @20°C	184Ω/Km max @20°C	<i>Cladding Data</i>	125+/-1 Micron
INSULATION RESISTANCE	10,000Ω/Km max @20°C	10,000Ω/Km max @20°C	<i>Buffer Material</i>	Thermoplastic
DIELECTRIC STRENGTH	1750V RMS@20°C, 60Hz for 1 min	1750V RMS@20°C, 60Hz for 1 min		
VOLTAGE RATING	300V Max	300V Max		
COLOR	C1, C3-Black C2, C4-White	C1-Red C2-Gray		C1-Blue C2-Yellow

TYPICAL CROSS SECTION



Product Construction:

Conductor:

- Element #1: 4 auxiliary conductors (used as two)
Size: 20 AWG; stranded tinned annealed copper
Insulation: High-density polyethylene O.D.: 0.060" nom. (1.53mm)
- Element #2: 2 single conductors
Size: 24 AWG; stranded tinned annealed copper
Insulation: High-density polyethylene: 0.045" nom. (1.12mm)
- Element #3: Singlemode fiber optic
- Element #4: Strength member in core
Size: 16 AWG; stranded insulated galvanized steel cable
Color: White
O.D.: 0.083" nom. (2.1mm)

Fillers:

- Fibrillated polypropylene as needed for roundness

Binder:

- Paper tape with 25% overlap

Braid Shield:

- Flexibly designed braid shield with 85% nom. coverage

Jacket:

- Flexible PVC (HQA)
- Temperature range: -40°C to +75°C
- Humidity 0 to 95%
- TPR ruggedized outdoor version

Jacket Marking:

- HELIX/HITEMP P/N XXXXXX* SINGLE-MODE FIBER OPTIC/ELECTRICAL HD CAMERA CABLE (RU) AWM STYLE 21059 80C 300V VW-1

Cable Weight:

- 87.6 lbs/Mft nom. (130.8Kg/KM)

Performance:

- Meets/exceeds SMPTE-311 M-1998

Connector:

- LEMO connector (call LEMO for more information at 800.444.5366)
- SMPTE standard 304 video connector

Compliances:

- UL Subject 758
- AWM Style 21059

Packaging:

- Please consult Customer Service for packaging and color options

*XXXXXX - indicates part number

