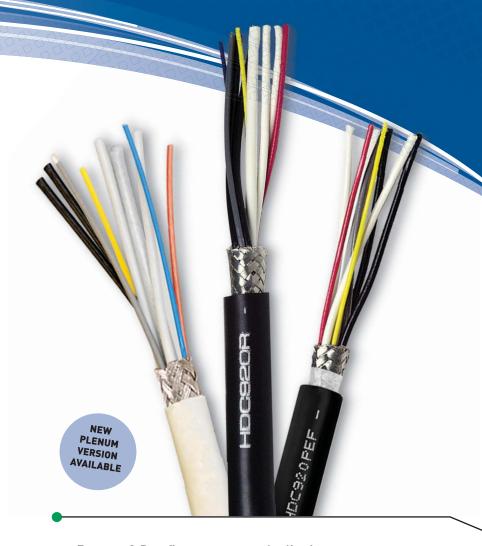


Hybrid Fiber Optic Cables

For Portable, Permanent Installation and Direct Burial Applications

General Cable's Gepco® Brand offers a complete line of fiber optic and copper conductor SMPTE 311 hybrid fiber cables for high-definition video cameras.

In the hybrid 311 format, the HD video signal is transmitted over two singlemode optical fibers to ensure accurate and extended-distance data transmission. To increase the durability, a special nylonbased polymer with increased tensile strength is used for the fiber coatings, and a 16 AWG steel strength member is cabled at the center of the cable core. All copper elements feature heat-resistant PE insulation and a shielded copper braid. The HDC920 comes in an extra-flexible, abrasion-resistant TPE compound that is ideal for portable, studio and outdoor broadcast applications, while a flexible PVC jacket is used for HDC920R and HDC920P for riser and plenum permanent installation applications. Designed for permanent underground installation, the HDC920PEF has an extra-rugged polyethylene jacket and water-blocking tape wrapped around the cable core.



Features & Benefits

Ultra-Low Attenuation

SMPTE 311 Compliant (HDC920, HDC920R, HDC920PEF)

SMPTE 311 Design (HDC920P)

Single-Mode Optical Glass Fibers

Proprietary Fiber Coating for Increased Tensile Strength

Six Copper Conductors

Heat-Resistant

Strength Member for Additional Durability

Durability

Copper Braid Shield

Applications

High-Definition Camera-to-CCU Interconnect

Permanent Install Riser (HDC920R) or Plenum (HDC920P)

Portable Cables (HDC920)

Direct Burial Permanent Installation (HDC920PEF)

Studio or Remote Environments





Hybrid Fiber Optic Cables & Assemblies

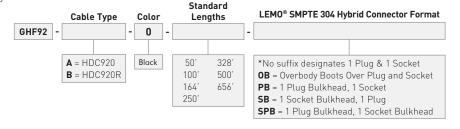
Mechanical Spe	ecifications (G	eneral)							
Part #	Nominal OD	Master Jacket (Type, Colors)	Overall Shiel	d U	L Type	SMPTE Standa	rd	Approx. Weight
HDC920	9.2 mm	Flexible TPE, Bla	ick	95% TC Braid	95% TC Braid -		311 Compliant (Meets or Exceeds)		90 lbs/Mft (134 kg/km)
	Extra-Flexible 9.2 mm Hybrid Fiber Camera Cable								
HDC920R	9.2 mm	PVC, Black		95% TC Braid	l C	MR	311 Compliant (Meets or Exceeds)		91 lbs/Mft (140 kg/km)
	Permanent Install 9.2 mm Hybrid Fiber Camera Cable: Riser								
HDC920P	6.0 mm	PVC, White		80% TC Braid	80% TC Braid (311 Design		45 lbs/Mft (67 kg/km)
	Permanent Install 6.0 mm Hybrid Fiber Camera Cable: Plenum								
HDC920PEF	9.2 mm	PE, Black		95% TC Braid		-	311 Compliant (Meets or Exceeds)		85 lbs/Mft (127 kg/km)
	Direct Burial 9.2 mm Hybrid Fiber Camera Cable								
Mechanical Spe	ecifications (C	omponents)							
Component	Number	Туре			Insulatio	n (Type, 0	D) for Non-Plenu	m/Plenum	Color Code
Optical	2	Single Mode 8.3µm Mode Field, 125µm Cl		īµm Cladding	CPE Tight Buffer, 0.9 mm/CPE Tight Buff			Buffer, 0.9 mm	One Blue, One Yellow
Signal	2	24 AWG (7x32) Stranded TC			PE, 0.045" (1.14 mm)/FEP, 0.038" (0.97 mm)				One Red, One Gray
Auxiliary	4	20 AWG (19x32) Stranded TC			PE, 0.060" (1.52 mm)/FEP, 0.054" (1.37 mm)			Two White, Two Black	
Strength Member	1	16 AWG Stranded Steel			PVC, 0.084" (2.13 mm)/PVDF, 0.084" (2.13 mm)			One White	
Electrical & Op	tical Specifica	tions							
Fiber Attenuation	Signal Conductor DC	Power R Conductor DCR	Shield Insulation Re DCR (Power or Si			Dielectric Strength (Power or Signal)		Operating Temperature for Non-Plenum/Plenum	
<0.70 dB/km @ 1310/1550nm	23.8 Ω/Mft	9.7 Ω/Mft	5.4 Ω/Mft	>10M Ω/km		3000 Vol @ 20°C,	lts RMS 60 Hz for 1 min.	-40°C to +75°C (@ (-20°C to +75°C (@ (

9.2 mm Hybrid Fiber Assemblies

Features

Machine Polished -55 dB RL (Typical)
Meets or Exceeds SMPTE 304/311 Standards

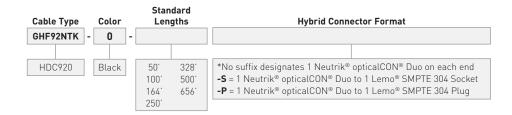




Features

Machine Polished -55 dB RL (Typical)
Meets or Exceeds SMPTE 311 Standards





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