

FEATURES & BENEFITS

- Ultra-Low Attenuation
- SMPTE 311M Compliant
- Single-Mode Optical Glass Fibers
- Kevlar® & PVC Jackets for Fibers (HDC920HDG)
- Proprietary Fiber Coating for Increased Tensile Strength
- Six Copper Conductors
- Heat Resistant
- Strength Member for Additional Durability
- Copper Braid Shield
- Water Blocking Tape (HDC920PEF)

APPLICATIONS

- High-Definition Camera-to-CCU Interconnect
- Portable Cables (HDC920HDG)
- Direct Burial Permanent Installation (HDC920PEF)

SMPTE 311M Compliant, the new Gepco® Brand HDC920PEF and HDC920HDG cables are designed for high-definition camera-to-CCU interconnects. In both versions, the HD video signal is transmitted over two single-mode optical fibers to ensure accurate, extended-distance data transmission. To further increase the durability, a special nylon-based polymer with increased tensile strength is used for the fiber coatings, and a 16-gauge steel strength member is cabled at the center of the cable core. The HDC920HDG also features a Kevlar® wrap and PVC jacket over each fiber optic element for even greater strength and protection. All copper elements feature heat-resistant PE insulation and are shielded by a dense 95 percent copper braid.

Built for permanent underground installation, the HDC920PEF has an extra-rugged polyethylene jacket and water blocking tape wrapped around the cable core making it ideal for outdoor events. The HDC920HDG has a heavy-duty glossy jacket for improved durability with a pleasing cosmetic appearance. Made of black polyurethane, the outer jacket also provides the added benefit of not easily abrading or sticking when run in the field.



Mechanical Specifications (General)

Part #	Nominal OD	Master Jacket (Type, Colors)	Overall Shield	Approx. Weight
HDC920PEF	9.2mm	PE, Black	95% TC Braid	85 lbs/Mft
	<i>Direct Burial 9.2mm Hybrid Fiber Camera Cable</i>			
HDC920HDG	9.2mm	Polyurethane, Black	95% TC Braid	100 lbs/Mft
	<i>Glossy Heavy-Duty 9.2mm Hybrid Fiber Camera Cable</i>			

Mechanical Specifications (Components)

Component	Number	Type	Insulation (Type, OD)	Color Code
HDC920PEF Optical	2	Single-Mode 8.3 μm Mode Field, 125 μm Cladding	CPE Tight Buffer, 0.9mm	One Blue, One Yellow
HDC920HDG Optical	2	Single-Mode 8.3 μm Mode Field, 125 μm Cladding	CPE Fiber Coating, Kevlar® Wrap, Tight Tube PVC Jacket, 0.062" Finished O.D.	One Blue, One Yellow
Signal	2	24 AWG (7x32) Stranded TC	PE, 0.045"	One Red, One Gray
Auxiliary	4	20 AWG (19x32) Stranded TC	PE, 0.060"	Two White, Two Black
Strength Member	1	16 AWG Stranded Steel	PVC, 0.084"	One White

Electrical & Optical Specifications

Fiber Attenuation	Signal Conductor DCR	Power Conductor DCR	Shield DCR	Insulation Resistance (Power or Signal)	Dielectric Strength (Power or Signal)	Operating Temperature	SMPTE Standard
<0.50 dB/km @ 1310/1550nm	23.8 Ω /Mft	9.7 Ω /Mft	5.4 Ω /Mft	>10M Ω /km	3000 Volts RMS @ 20°C, 60Hz for 1 min.	-40°C to +75°C (@ 0 to 95% humidity)	311M Compliant (Meets or Exceeds)

GENERAL CABLE and GEPCO are trademarks of General Cable Technologies Corporation. Kevlar is a registered trademark of E. I. du Pont Nemours and Company. ©2011. General Cable Technologies Corporation, Highland Heights, KY 41076. All rights reserved. Printed in USA. Form No. GEP-0032-1011