

WATER-RESISTANT

HydroBloc™ FPL or PLTC Shielded Cables



The Gepco® Brand HydroBloc™ multi-conductor shielded speaker and control cables are ideal for permanent installation in wet locations. The conductive elements consist of stranded, bare copper conductors that are insulated with a PVC insulation compound and nylon covering. For added noise rejection and suppression, the conductors are shielded with a durable 100% foil/Mylar® and tinned copper drain wire. The outer jacket is extruded from a low-friction PVC that is easy to install and pull through conduit. These cables are available in 12 through 18 AWG. With advanced water-blocked construction, the HydroBloc line utilizes a two-ply water-blocking tape and water-swallowable fillers to prevent transverse and longitudinal water ingress.

Features & Benefits

- Advanced Water-Blocked Construction
- Sunlight- and Moisture-Resistant Jacket
- Ripcord for Ease of Stripping Jacket
- Cables Comply with TIA-455-82-B Water Penetration Test
- Bare Copper Conductors
- Superior PVC Insulation & Nylon Covering
- Foil Shield with Drain Wire
- 12 Through 18 AWG Versions
- UL Rated

Applications

- In Wet Locations Inside Conduit
- Indoor/Outdoor Use
- Speaker Interconnections
- General Purpose Audio
- Control
- Power-Limited Circuits
- Power-Limited Fire Alarm Circuits
- Power-Limited Tray Cable PLTC
- Direct Burial

Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductor	Insulation/Color Code	Shield	Drain Wire	Jacket (Type, Colors)	UL Type	Approx. Weight
HBS184T	4	0.355" (9.02 mm)	18 AWG (7x26) Stranded BC	PVC & Nylon, 0.021" (0.53 mm)/ Black, Red, Brown, Blue	100% Foil	22 AWG (7x30) Stranded TC	PVC, Black	FPL/PLTC	71 lbs/Mft (105 kg/km)
			18 AWG x 4 HydroBloc™ FPL/PLTC Water-Resistant Cable: Shielded						
HBS182T	2	0.310" (9.87 mm)	18 AWG (7x26) Stranded BC	PVC & Nylon, 0.021" (0.53 mm)/ Black, Red	100% Foil	22 AWG (7x30) Stranded TC	PVC, Black	FPL/PLTC	46 lbs/Mft (68 kg/km)
			18 AWG x 2 HydroBloc™ FPL/PLTC Water-Resistant Cable: Shielded						
HBS164T	4	0.392" (9.96 mm)	16 AWG (7x24) Stranded BC	PVC & Nylon, 0.021" (0.53 mm)/ Black, Red, Brown, Blue	100% Foil	20 AWG (7x28) Stranded TC	PVC, Black	FPL/PLTC	82 lbs/Mft (123 kg/km)
			16 AWG x 4 HydroBloc™ FPL/PLTC Water-Resistant Cable: Shielded						
HBS162T	2	0.320" (8.13 mm)	16 AWG (7x24) Stranded BC	PVC & Nylon, 0.021" (0.533 mm)/ Black, Red	100% Foil	20 AWG (7x28) Stranded TC	PVC, Black	FPL/PLTC	60 lbs/Mft (89 kg/km)
			16 AWG x 2 HydroBloc™ FPL/PLTC Water-Resistant Cable: Shielded						
HBS142T	2	0.347" (8.81 mm)	14 AWG (19x27) Stranded BC	PVC & Nylon, 0.021" (0.53 mm)/ Black, Red	100% Foil	16 AWG (19x29) Stranded TC	PVC, Black	FPL/PLTC	76 lbs/Mft (113 kg/km)
			14 AWG x 2 HydroBloc™ FPL/PLTC Water-Resistant Cable: Shielded						
HBS122T	2	0.391" (9.93 mm)	12 AWG (19x25) Stranded BC	PVC & Nylon, 0.021" (0.533 mm)/ Black, Red	100% Foil	14 AWG (19x27) Stranded TC	PVC, Black	FPL/PLTC	104 lbs/Mft (155 kg/km)
			12 AWG x 2 HydroBloc™ FPL/PLTC Water-Resistant Cable: Shielded						

Electrical Specifications

Part #	Cond. DCR	Capacitance
HBS184T, HBS182T	6.4 Ω/Mft	37 pF/ft Between Conductors, 68 pF/ft Between One Conductor and Other Tied to Shield
HBS164T, HBS162T	4.0 Ω/Mft	43 pF/ft Between Conductors, 77 pF/ft Between One Conductor and Other Tied to Shield
HBS142T	2.5 Ω/Mft	50 pF/ft Between Conductors, 90 pF/ft Between One Conductor and Other Tied to Shield
HBS122T	1.6 Ω/Mft	58 pF/ft Between Conductors, 105 pF/ft Between One Conductor and Other Tied to Shield

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WATER-RESISTANT

HydroBloc™ FPL or PLTC Unshielded Cables



The Gepco® Brand HydroBloc™ multi-conductor unshielded speaker and control cables are ideal for permanent installation in wet locations. The conductors consist of stranded, bare copper conductors that are insulated with a PVC insulation compound. The outer jacket is extruded from a low-friction PVC that is easy to install and pull through conduit. These cables are available in 12 through 18 AWG. With advanced water-blocked construction, the HydroBloc line utilizes a two-ply water-blocking tape and water-swellaible fillers to prevent transverse and longitudinal water ingress.

Features & Benefits

- Advanced Water-Blocked Construction
- Sunlight- and Moisture-Resistant Jacket
- Ripcord for Ease of Stripping Jacket
- Cables Comply with TIA-455-82-B Water Penetration Test
- Bare Copper Conductors
- Superior PVC Insulation & Nylon Covering
- 12 Through 18 AWG Versions
- UL Rated

Applications

- In Wet Locations Inside Conduit
- Indoor/Outdoor Use
- Low Voltage Industrial Process Control
- Power-Limited Circuits
- Power-Limited Fire Alarm Circuits
- Power-Limited Tray Cable PLTC
- Speaker Level Audio
- Direct Burial

Mechanical Specifications							
Part #	# of Cond.	Nominal OD	Conductor	Insulation/Color Code	Jacket (Type, Colors)	UL Type	Approx. Weight
HBU184T	4	0.323" (8.20 mm)	18 AWG (7x26) Stranded BC	PVC & Nylon, 0.021" (0.533 mm)/ Black, Red, Brown, Blue	PVC, Black	FPL/PLTC	64 lbs/Mft (95 kg/km)
HBU182T*	2	0.277" (7.04 mm)	18 AWG (7x26) Stranded BC	PVC & Nylon, 0.021" (0.533 mm)/ Black, Red	PVC, Black	FPL/PLTC	40 lbs/Mft (59 kg/km)
HBU164T	4	0.350" (8.89 mm)	16 AWG (7x24) Stranded BC	PVC & Nylon, 0.021" (0.533 mm)/ Black, Red, Brown, Blue	PVC, Black	FPL/PLTC	76 lbs/Mft (113 kg/km)
HBU162T*	2	0.299" (7.59 mm)	16 AWG (7x24) Stranded BC	PVC & Nylon, 0.021" (0.533 mm)/ Black, Red	PVC, Black	FPL/PLTC	52 lbs/Mft (78 kg/km)
HBU144T	4	0.380" (9.65 mm)	14 AWG (19x27) Stranded BC	PVC & Nylon, 0.021" (0.533 mm)/ Black, Red, Brown, Blue	PVC, Black	FPL/PLTC	102 lbs/Mft (152 kg/km)
HBU142T*	2	0.324" (8.23 mm)	14 AWG (19x27) Stranded BC	PVC & Nylon, 0.021" (0.533 mm)/ Black, Red	PVC, Black	FPL/PLTC	64 lbs/Mft (96 kg/km)
HBU122T*	2	0.369" (9.40 mm)	12 AWG (19x25) Stranded BC	PVC & Nylon, 0.021" (0.533 mm)/ Black, Red	PVC, Black	FPL/PLTC	86 lbs/Mft (128 kg/km)
Electrical Specifications							
Part #	Cond. DCR		Capacitance				
HBU184T, HBU182T	6.4 Ω/Mft		25 pF/ft				
HBU164T, HBU162T	4.0 Ω/Mft		28 pF/ft				
HBU144T, HBU142T	2.5 Ω/Mft		30 pF/ft				
HBU122T	1.6 Ω/Mft		34 pF/ft				

*Two (2) conductor constructions will have two PVC rod fillers in the core to help withstand the rigors during operation.