

CONNECTORS OVERVIEW



ANY SIZE ANY CONFIGURATION ANY APPLICATION	HIGH CORROSION RESISTANCE EASY DECONTAMINATION EASY HANDLING	ULTRALIGHT RUGGED HIGHLY CONFIGURABLE	EASY TO USE DURABLE LIGHTWEIGHT	COST-EFFECTIVE EASY TO USE MODULAR	RUGGED COMPACT LIGHTWEIGHT	ROBUST OPTICAL PERFORMANCE EASY CLEANING	HIGH-DENSITY MINIATURIZATION HIGH-SPEED DATA TRANSFER RELIABILITY	EASY MATING EASY CLEANING EASY INTEGRATION
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	BRASS	STAINLESS STEEL	ALULITE	PLASTIC	DISPOSABLE	ULTIMATE	FIBEROPTIC	MINIMAX	FREEDOM
Locking	Push-pull / Quick-release / Friction	Push-pull	Push-pull Quick-release	Push-pull	Friction	Push-pull Quick-release	Push-pull	Push-pull Screw-locking Quick-release	Quick-release
Shell material	Brass	Stainless Steel 316L	Aluminum	PEI (405) PBT (4032)	ABS	Brass Aluminum	Brass	Brass	Brass/Plastic Stainless Steel 316L
Plating	Chrome over Nickel	-	Chrome over Nickel Anodized	-	-	Anthracite Nickel	Chrome over Nickel	Anthracite Nickel Chrome over Nickel	Anthracite Nickel
Plug Ø [mm]	9-34	12-34	9-18	14.5-18.5	15.8/17.8	12-29	13/24	9.9 - 12.9	20.4/25.4
Number of contacts	1 to 55	1 to 55	2 to 27	2 to 27	6 to 19	2 to 42	1 to 4 fibers / Hybrid 2+2	4 to 30	4/7
AWG	AWG9-32	AWG9-32	AWG9-32	AWG9-32	AWG20-30	AWG9-32	AWG17 (hybrid)	AWG18-30	AWG24-28 (cabled plugs)
Contact type	Low voltage / High voltage / Coax / Triax / Hybrid	Low voltage	Low voltage	Low voltage	Low voltage	Low voltage	Fiber optic	Low voltage	Low voltage
Test voltage DC [kV]	Up to 50	Up to 50	Up to 4.8	Up to 4	Up to 2.7	Up to 3.7	Up to 2.8	Up to 2.4	Up to 1.2
Current rating [A]	Up to 60	Up to 60	Up to 30	Up to 30	Up to 3.0	Up to 26	Up to 10	Up to 10	Up to 5.0
Sealing level	IP68/69/Hermetic	IP68/69/Hermetic	IP68/69/Hermetic	IP67/IP68	IP30 - IP40	IP68/69 Hermetic	IP67/IP68	IP68	Metal IP68 Plastic IP67
Mating cycles	10,000	5,000	10,000	5,000	10	10,000	1,000	5,000	Metal 10,000 Plastic 5,000
Data protocols compliance	USB 3.2 Ethernet Single Pair Ethernet Audio/UHD Video	USB 2.0 Ethernet	USB 2.0 Ethernet	-	-	USB 3.2 Ethernet Single Pair Ethernet	-	USB 3.2 Ethernet Single Pair Ethernet Audio/UHD Video	USB 2.0
Contact termination	Solder Crimp PCB	Solder Crimp PCB	Solder Crimp PCB	Solder Crimp PCB	Solder	Solder Crimp PCB	Optical Solder (hybrid)	Solder PCB	Solder PCB Wires ZIF

¹⁾ Technical specifications only available in PDF format on [fischerconnectors.com](https://www.fischerconnectors.com)

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