CONNECTORS OVERVIEW

fischer® CONNECTORS

Part of Conextivity Group

CONNECTORS OVERVIEW

	BRASS	STAINLESS STEEL	ALULITE	PLASTIC	DISPOSABLE	ULTIMATE	FIBEROPTIC	MINIMAX
	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
Locking	Push-pull / Quick-release / Friction	Push-pull	Push-pull Quick-release	Push-pull	Friction	Push-pull Quick-release Ratchet Locking System	Push-pull	Push-pull Screw-locking Quick-release
Shell material	Brass	Stainless Steel 316L	Aluminum	PEI (405) PBT (4032)	ABS	Brass Aluminum	Brass	Brass
Plating	Chrome over Nickel Anthracite Nickel	-	Chrome over Nickel Anodized Anthracite Nickel	-	-	Anthracite Nickel / Black Nickel	Chrome over Nickel	Anthracite Nickel Chrome over 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
Number of contacts	1 to 55	1 to 55	2 to 27	2 to 27	6 to 19	2 to 42 and USB-C interface	1 to 4 fibers / Hybrid 2+2	4 to 30
AWG	AWG9-32	AWG9-32	AWG9-32	AWG9-32	AWG20-30	AWG9-32	AWG17 (hybrid)	AWG18-30
Contact type	Low voltage / High voltage / Coax / Triax / Hybrid	Low voltage	Low voltage	Low voltage	Low voltage	Low voltage	Fiber optic	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
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
Sealing level	IP50/68/69/Hermetic	IP50/68/69/Hermetic	IP50/68/69/Hermetic	IP67/IP68	IP30 - IP40	IP68/69 Hermetic	IP67/IP68	IP68
Mating cycles	10,000	5,000	10,000	5,000	10	Up to 10,000	1,000	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
Contact termination	Solder | Crimp | PCB	Solder | Crimp | PCB	Solder | Crimp | PCB	Solder | Crimp | PCB	Solder	Solder | Crimp | PCB | Flex	Optical | Solder (hybrid)	Solder | PCB

[1] Technical specifications only available in PDF format on fischerconnectors.com

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