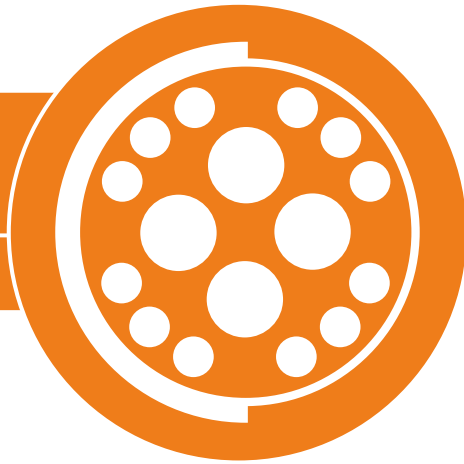


B10

CHAPTER



FISCHER CORE SERIES **DISPOSABLE**

COST-EFFECTIVE | EASY TO USE | MODULAR

KEY FEATURES

- Sterilizable (EtO), gamma
- Single or two-piece shell
- Color-coded for easy integration
- Lightweight and shock resistant



B10-2 / B10-8

DISPOSABLE



PLUGS



CABLE MOUNTED TWO-PIECE SHELL

- Body styles..... B 10-3
- Technical dimensions B 10-4



CABLE MOUNTED SINGLE SHELL

- Body styles..... B 10-3
- Technical dimensions B 10-5



PRE-CABLED SOLUTION

- Body styles..... B 10-3
- Technical dimensions B 10-5

FOR ALL DISPOSABLE

- Electrical & contact configurations..... B 10-6
- Technical information..... B 10-8
- Cross-line technical information A 6

This catalog covers our standard connector solutions. For specific requests, including hybrid or custom connectors, please contact your local sales representative.

PLUGS

CABLE MOUNTED



BODY STYLES

	WHITE	BLUE	VIOLET	TURQUOISE
Locking system	Friction	Friction	Friction	Friction
Sealing	IP30/IP40	IP40	IP40	IP40
Design	Single/Two-piece shell	Two-piece shell	Two-piece shell	Two-piece shell

PRE-CABLED SOLUTION



BODY STYLES

Locking system	Friction
Sealing	IP65
Design	Turnkey

COMPATIBILITY



Mateable with all high performance Fischer Connectors' panel receptacles of the Fischer Core Series Brass 104.

PLUGS

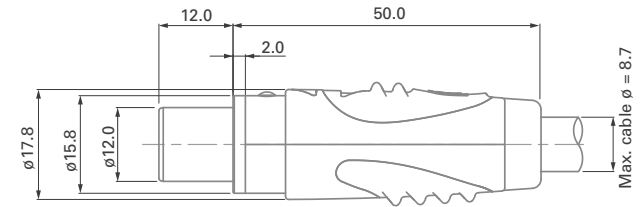
TWO-PIECE SHELL

WHITE*

BLUE

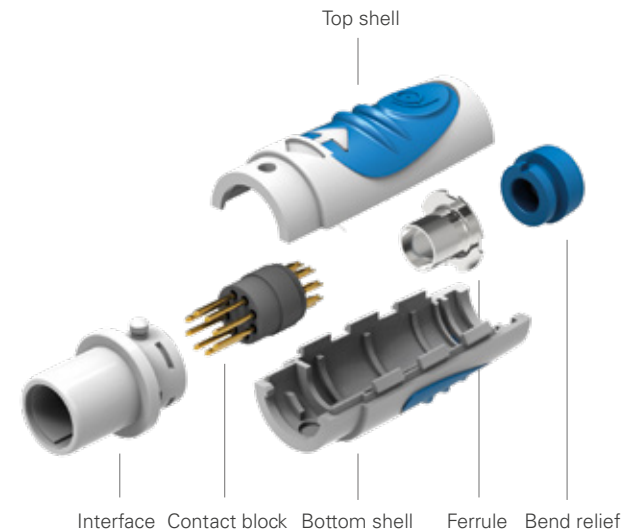
VIOLET

TURQUOISE



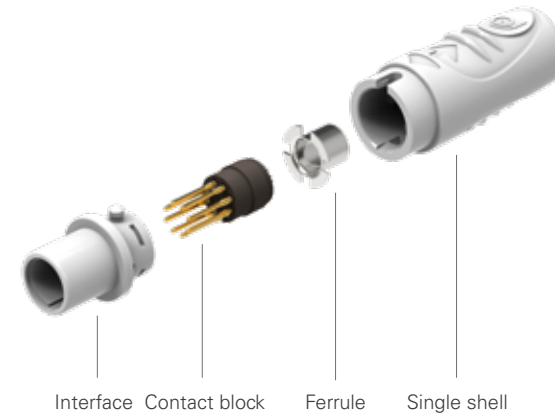
Part	Part number	Description
Interface	U1 504-A	Interface white
Top shell	U31 504-B01	White top shell
	U31 504-A03	White top shell + blue soft touch
	U31 504-A04	White top shell + violet soft touch
	U31 504-A09	White top shell + turquoise soft touch
Bottom shell	U32 504-B01	White bottom shell
	U32 504-A03	White bottom shell + blue soft touch
	U32 504-A04	White bottom shell + violet soft touch
	U32 504-A09	White bottom shell + turquoise soft touch
Ferrule	U33 504/5.0	Ferrule Dia 5.0 for two-piece shell version
Bend relief	U34 504-A03	Blue
	U34 504-A04	Violet
	U34 504-A09	Turquoise

* Assembled with color bend relief.



PLUGS

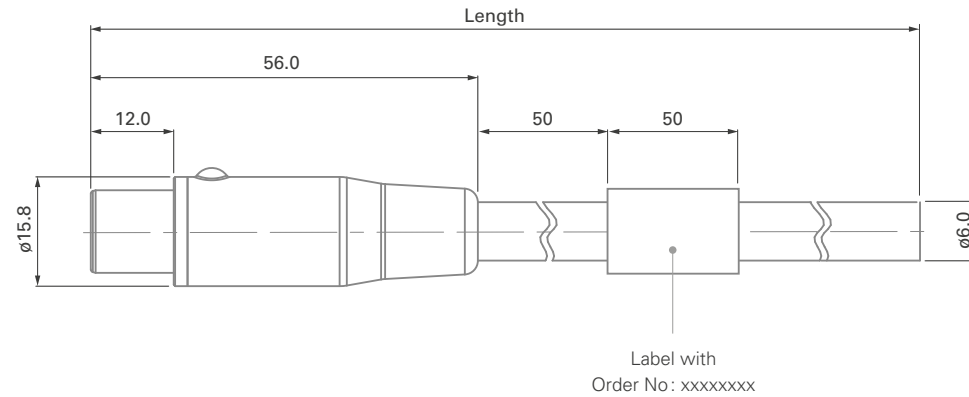
SINGLE SHELL WHITE



Part	Part number	Description
Interface	U1 504-A	Interface white
Single shell	U41 504-A	One-piece shell, white only
Ferrule	U42 504/5.0	Ferrule Dia 5.0 for single shell version

PLUGS








PRE-CABLED SOLUTION



Part number	Length* [mm]
CA_S_8XLV_SI504 1.0m	1000
CA_S_8XLV_SI504 2.0m	2000
CA_S_8XLV_SI504 5.0m	5000


All dimensions and images shown are in millimeters and are for reference only.

SINGLE OR TWO-PIECE SHELL

References	Pin layout	Number of contacts	Insulating material	Contact \varnothing [mm]	Wire size	Test Voltage [kV] in mated position				Max. admissible current ¹⁾ [A] at 10°C temperature rise	Contact block insulator	Stamped contact		
						AC rms		DC			 Part number	 Part number	Reel size (pcs.)	
						Contact to receptacle body	Contact to contact	Contact to receptacle body	Contact to contact				1'000	10'000
A 065		6	PBT	0.9	AWG20 to AWG24	1.7	2.0	2.4	2.6	-	E21 504 A065-S			
A 066		8	PBT	0.9	AWG20 to AWG24	1.5	1.6	2.2	2.7	3.0	E21 504 A066-S	RMS1/0.9:1K	RMS10/0.9:10K	
A 056		11	PBT	0.9	AWG20 to AWG24	1.4	1.5	2.1	2.2	-	E21 504 A056-S			
A 086		16	PBT	0.7	AWG26 to AWG30	0.8	1.5	1.3	2.1	1.7	E21 504 A086-S			
A 092		19	PBT	0.7	AWG26 to AWG30	0.8	1.2	1.2	1.8	-	E21 504 A092-S	RMS1/0.7:1K	RMS10/0.7:10K	

¹⁾ Current per contact at 10°C temperature rise measured on the basic curve according to IEC 60512-5-2-5b. For the max. operating current a reduction factor must be used and limitations due to the size of the wires and the permissible upper temperature limit of the materials employed must be taken into account. See page A13 for details.

PRE-CABLED SOLUTION

References	Pin layout	Number of contacts	Insulating material	Contact \varnothing [mm]	Wire size	Test Voltage [kV] in mated position				Max. admissible current ²⁾ [A] at 10°C temperature rise	Turnkey solution part number
						AC rms		DC			
						Contact to receptacle body	Contact to contact	Contact to receptacle body	Contact to contact		
A 066 ¹⁾		8	ABS	0.9	AWG24	1.5	1.5	2.5	2.5	1.9	CA_S_8XLV_SI504 1.0m CA_S_8XLV_SI504 2.0m CA_S_8XLV_SI504 5.0m

¹⁾The Fischer Core Series Disposable turnkey solution is available in a standard 8-contact pin layout. Pin layout with 16 contacts is available on request.

²⁾ Current per contact at 10°C temperature rise measured on the basic curve according to IEC 60512-5-2-5b. For the max. operating current a reduction factor must be used and limitations due to the size of the wires and the permissible upper temperature limit of the materials employed must be taken into account. See page A13 for details.

SINGLE OR TWO-PIECE SHELL

MECHANICAL & ENVIRONMENTAL DATA

Sealing rating – Single shell – Two-piece shell	IP30 IP40
Operating temperature range	-20°C to +65°C
Endurance	10 mating cycles
Gamma irradiation for sterilization	Tested to withstand irradiation up to 60 kGy per ISO 11137-2
EtO for sterilization	Tested with a standard EtO sterilization cycle per ISO 11135
Mating / Unmating force	Typ. 10-20 N

MATERIAL & SURFACE TREATMENTS

Parts	Material	Surface treatment	Flammability
Plastic housing	ABS	–	UL 94 HB
Soft-touch areas	TPE	–	UL 94 HB
Contacts	Brass or Bronze	Gold over Nickel	–
Insulator	PBT	–	UL 94 V-0
Ferrule	Copper alloy	Nickel	–