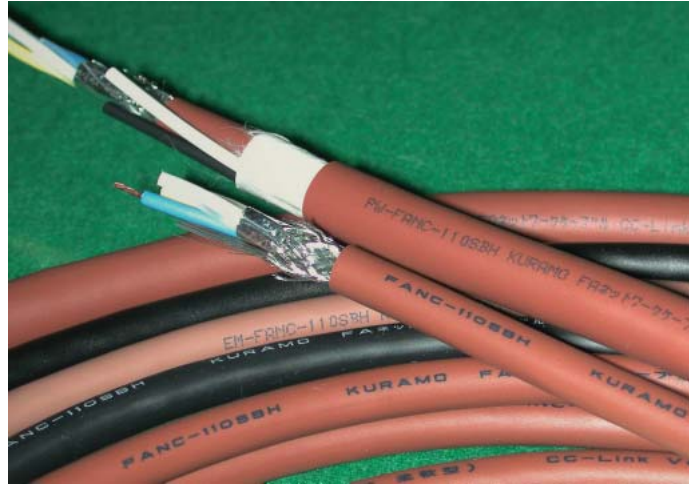


FANC Series

CC-Link Ver.1.10 Compliant ···FANC-110SBH Series
 CC-Link Ver.1.00 Compliant ·····FANC-SB Series
 CC-Link/LT Compliant········FANC-LT Series

CC-Link CC-Link/LT



■ CC-Link Ver.1.10 Compliant

FANC-110SBH Series

The FANC-110SBH Series are FA network cables designed to comply with CC-Link Ver.1.10. The FANC-110SBH Series, when used to network CC-Link Ver.1.10 compliant equipment, allows the formation of a network subject to less restriction in cable connection than the FANC-SB Series (CC-Link Ver.1.00 compliant). FANC-110SBH as standard of this series and its power pair built-in composite type, PW110BH, are certified to comply with the UL/cUL AWM requirements.

Certification

UL (Applicable to FANC-110SBH, PW110SBH)

Specifications

	Code					
	FANC-110SBH	EM110SBH	WR-FANC-110SBH	LT-FANC-110SBH	FANC-110SBZ-5	PW110SBH
Size	20AWG×3				0.5mm ² ×3	20AWG×3 (for communication) 0.75mm ² ×2 (for power supply)
Insulator material	PEF				PE	PEF Heat resistant PVC
Insulator color	Blue/White/Yellow				Blue/White/Yellow	Blue/White/Yellow Black/White
Shield	Aluminum/polyester laminate tape + Tin-plated soft annealed copper braid				Tin-plated soft annealed copper braid	Aluminum/polyester laminate tape + Tin-plated soft annealed copper braid —
Sheath material	Oil resistant/heat resistant PVC	FRPE	PE	Cold resistant PVC	Oil resistant/heat resistant PVC	Oil resistant/heat resistant PVC
Sheath color	Brown	Brown	Black	Black	Dark brown	Brown
Outside diameter	Approx. 7.6mm	Approx. 7.6mm	Approx. 8.1mm	Approx. 7.6mm	Approx. 8.0mm	Approx. 12mm
Approx. weight (kg/km)	70	70	70	70	70	145
Conductor resistance (20°C)	34.5 Ω /km				43.4 Ω /km	34.5 Ω /km 25.1 Ω /km
Characteristic impedance (5MHz)	110 Ω				110 Ω	110 Ω —
Attenuation (5MHz, 20°C)	3.5dB/100m				6.1dB/100m	3.5dB/100m —
Application	Fixed wiring	Fixed wiring (Zero halogen)	Outdoor, Ductline	Low-temperature fixed wiring	Movable wiring	Power pair built-in composite type
Applicable Standard	UL AWM Style 2464 CAN/CSA-C22.2 No.210.2(cUL)	—	—	—	—	UL AWM Style 2464 CAN/CSA-C22.2 No.210.2(cUL)

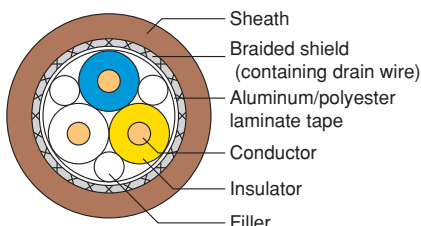
Features

- Double shield, 10Mbps transmission, RS-485 compliance
- Availability in a large variety of types to meet various application requirements
 - FANC-110SBH ·····Standard type (oil resistant/heat resistant (75°C), UL/cUL AWM compliant)
 - EM110SBH ·····Zero halogen type (designed using flame retardant polyethylene sheath)
 - WR-FANC-110SBH ···Outdoor or ductline wiring type (designed using polyethylene sheath)
 - LT-FANC-110SBH ···Cold resistant type
 - PW110SBH ·····Power pair built-in composite type (oil resistant/heat resistant (75°C), UL/cUL AWM compliant)
 - FANC-110SBZ-5 ·····Movable type (oil resistant/heat resistant (75°C))
- The movable type FANC-110SBZ-5 cable is designed so that its transmittable distance is 50% that of its standard counterpart.

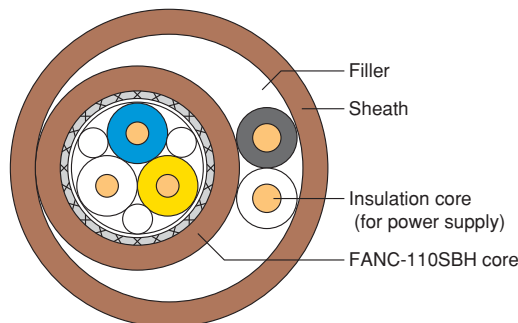
※The use of the cable at high ambient temperature may cause its transmittable distance to be shortened.
 ※The PW110SBH's power pair (0.75mm²) is required to be used at a voltage less than 100V in such applications as DC24V power supply for remote I/O.

Cable Construction

■ FANC-110SBH, EM110SBH
WR-, LT-FANC-110SBH



■ Power pair built-in composite type
PW110SBH



■ CC-Link Ver.1.00 Compliant

FANC-SB Series

The FANC-SB Series are FA network cables designed to comply with CC-Link Ver.1.00. Notwithstanding this, however, it is recommended that your FA system to be newly installed in future should be networked using the CC-Link Ver.1.10 compliant FANC-110SBH Series which is subject to less restriction in cable connection than the FANC-SB Series.

Specifications

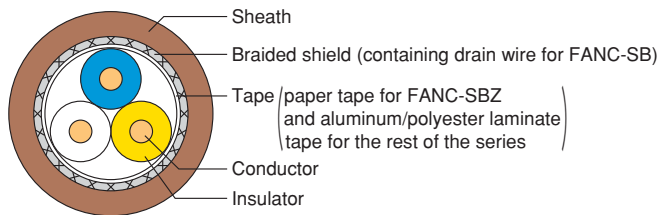
	Code		
	FANC-SB	FANC-SBH	FANC-SBZ
Size	0.5mm ² ×3		
Insulator material	PE	PEF	PE
Insulator color	Blue/white/yellow		
Shield	Aluminum/polyester laminate tape + Tin-plated soft annealed copper braid		Tin-plated soft annealed copper braid
Sheath material	Oil resistant/heat resistant PVC		
Sheath color	Brown		Dark brown
Outside diameter	Approx. 7.0mm	Approx. 8.0mm	Approx. 8.0mm
Approx. weight (kg/km)	65	60	70
Conductor resistance (20°C)	37.8 Ω/km		43.4 Ω/km
Characteristic impedance (1MHz)	100 Ω	130 Ω	100 Ω
Application	Fixed wiring	Fixed wiring	Movable wiring

Features

- Double shield (except for FANC-SBZ), 10Mbps transmission, RS-485 compliance
 - FANC-SB Standard type (oil resistant/heat resistant (75°C))
 - FANC-SBH High impedance type (oil resistant/heat resistant (75°C), characteristic impedance 130 Ω)
 - FANC-SBZ Movable type (oil resistant/heat resistant (75°C))

※The use of the cable at high ambient temperature may cause its transmittable distance to be shortened.

Cable Construction



■ CC-Link/LT Compliant

FANC-Z/LT

The FANC-Z/LT Series are mobile FA network cables designed to comply with CC-Link/LT as lower level network of CC-Link.

Specifications

	Code
	FANC-Z/LT
Size	4×0.75mm ²
Insulator material	Fluorocarbon resin (ETFE)
Insulator color	Black/White/Red/Green
Sheath material	Oil resistant/heat resistant PVC
Sheath color	Black
Outside diameter	Approx. 6.9mm
Approx. weight (kg/km)	70
Conductor resistance (20°C)	27.9 Ω/km
Application	Movable wiring

Features

- Fluorocarbon resin insulation, bending resistance
- Heat resistance (105°C)
- Sheath mat type

Cable Construction

