

FAFX-5E25SLAB (BK)

CAT5e Ethernet flexible cable

Heat resistance ★★★
Oil resistance ★★★★★
Noise resistance ★★★★★★
Flame resistance ★★★★★
non-migratory ★★★★★★
Transport property ★
※The characteristic is an aim.

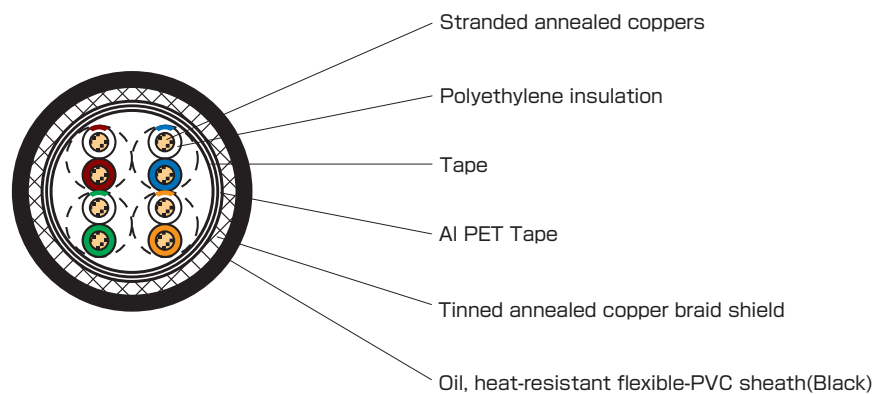
> Application

- Appropriate for wiring in excellent flexibility.
- CAT5e
- Flexible cable with UL,cUL at 30V 80°C. (Category : AVLV2, AVLV8)
- CC-Link IE, EtherCAT

> Features

- Flame resisting : UL VW-1 , cUL FT1.
- Oil, heat, flme resisting flexible PVC material is used for sheath.
- Double shielded.

> Construction figure



> Surface marking

TAIYO/TSUNET FAFX-5E25SLAB E67647-TK AWM 20276 VW-1 II A/B 80°C 30V FT1 LF R15 length mark

※R15 indicates "Compliant with RoHS Directive 2011/65/EU and Directive (EU) 2015/863 (10 substances)".

> Identification

Pair number	1	2	3	4
No.1 kind line	Blue/White	Orange/White	Green/White	Brown/White
No.2 kind line	Blue	Orange	Green	Brown

※Blue/White : Blue line is marked on white insulation.

>>> Meeting standard

Certification	UL AWM	cUL AWM
Applicable standard	UL 758	UL C22.2 No.210
Official symbol	UL STYLE 20276	CSA AWM II A/B
Voltage rating	30V	30V
Temperature rating	80°C	80°C
Conductor	UL 758	UL C22.2 No.210
Flame rating	VW-1	FT1



> Construction table

No. of pairs	Conductor		Polyethylene insulation		Oil,heat-resistant flexible-PVC sheath		Approx. weight (lbs/1000ft) (kg/km)	Electrical Characteristics		
	Size (AWG)	Construction (Line/mm)	Outside diameter (inch)	Outside diameter (mm)	Overall diameter approx. (inch)	Overall diameter approx. (mm)		Conductor resistance (Ω/km20°C)	Insulation resistance (MΩkm20°C)	Electrical strength (V/1min.)
4P	25	7/0.18 (7/7.1mil)	0.039	1.0	0.256	6.5	34(51)	less than 120	more than 5,000	AC700

> Electric characteristics (High Frequency)

Electric Characteristics	Frequency (MHz)				
	1	4	16	31.25	100
Insertion Loss (dB/70m)	less than 2.0	less than 4.1	less than 8.2	less than 11.7	less than 22.0
NEXT loss (dB)	more than 65.3	more than 56.3	more than 47.2	more than 42.9	more than 35.3
PSNEXT Loss (dB)	more than 62.3	more than 53.3	more than 44.2	more than 39.9	more than 32.3
Characteristic Impedance (Ω)	85-115				

> Standard sales length

200m