

STOW (A) LF

For electronic equipment power supply code

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

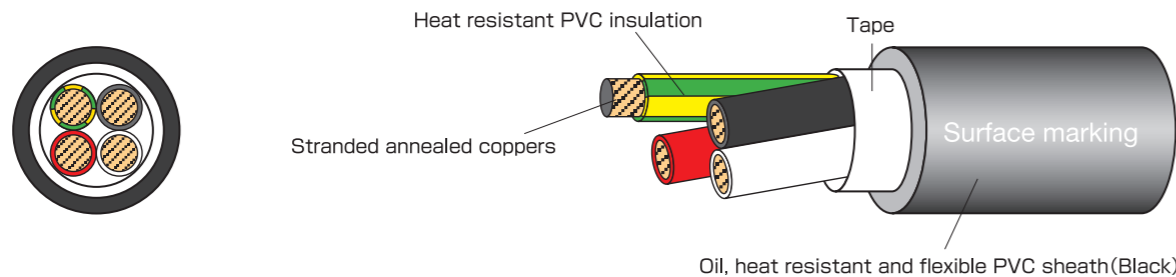
Application

- It is possible to use it for a moist place.

Feature

- Standard UL, cUL. (Category ZJCZ, ZJCZ7)
- Obtaining UL Listed STOW, this cable compliants to NFPA 70 and 79. (8~2AWG size)
- Heat resistant PVC material is used to insulation.
- Oil, heat resistant and flexible PVC material is used.
- Flame resisting:UL VW-1, cUL FT1.

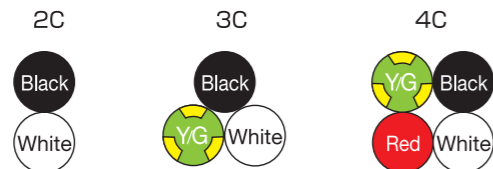
Construction figure



Surface marking

E65955 (UL) STOW 105°C 600V Line number × □ □ AWG VW-1 WATER RESISTANT TAIYO
 c (UL) STOW 105°C 600V Line number × □ □ AWG (○ ○ mm²) FT1 WATER RESISTANT TAIYO <PS>E ** LF R15

Identification



※Y/G indicates green core with yellow stripe(30~50%).

Certification	UL STOW	cUL STOW	Electrical Appliance and Material Safety Law (18~10 AWG)	Electrical Appliance and Material Safety Law (8~2 AWG)
Applicable standard	UL 62	CSA C22.2 No.49	Departmental order to determine a technical standard of the electrical equipment	Departmental order to determine a technical standard of the electrical equipment
Official symbol	STOW	STOW	Vinyl cab tire cord	Vinyl cab tire cord
Voltage rating	600V	600V	300V	600V
Temperature rating	105°C	105°C	60°C	60°C
Conductor	UL 62	CSA C22.2 No.49	JIS C 3102	JIS C 3102
Flame rating	VW-1	FT1	JIS C 3005 4.26.2 b)	JIS C 3005 4.26.2 b)

Meeting standard



Construction table

No. of cores	Conductor			Heat resistant PVC insulation		Oil, heat - resistant flexible - PVC sheath		Approx. weight (lbs/1000ft) (kg/km)
	Size (AWG)	Construction (Line/mm)	Outside diameter (mm)	Outside diameter (inch)	Outside diameter (mm)	Overall diameter approx. (inch)	Overall diameter approx. (mm)	
2C	18	33/0.18	1.2	0.114	2.9	0.366	9.3	64(95)
3C	(0.824mm)	(33/7.1mil)	(47mil)			0.382	9.7	77(115)
4C						0.413	10.5	91(135)
2C	16	53/0.18	1.5	0.126	3.2	0.390	9.9	77(115)
3C	(1.31mm)	(53/7.1mil)	(59mil)			0.413	10.5	91(135)
4C						0.445	11.3	111(165)
2C	14	84/0.18	1.9	0.173	4.4	0.531	13.5	138(205)
3C	(2.08mm)	(84/7.1mil)	(75mil)			0.559	14.2	165(245)
4C						0.602	15.3	198(295)
2C	12	65/0.254	2.4	0.193	4.9	0.602	15.3	185(275)
3C	(3.31mm)	(65/10mil)	(94mil)			0.634	16.1	222(330)
4C						0.681	17.3	269(400)
2C	10	104/0.254	3.1	0.220	5.6	0.657	16.7	232(345)
3C	(5.26mm)	(104/10mil)	(122mil)			0.693	17.6	286(425)
4C						0.748	19.0	353(525)
3C	8	7/15/0.32	4.2	0.299	7.6	0.898	22.8	464(690)
4C	(8.37mm)	(7/15/12.6mil)	(165mil)			1.004	25.5	601(895)
2C	6	7/24/0.32	5.3	0.343	8.7	0.969	24.6	514(765)
3C	(13.3mm)	(7/24/12.6mil)	(209mil)			1.020	25.9	642(955)
4C						1.142	29.0	833(1240)
3C	4	7/38/0.32	6.6	0.394	10.0	1.165	29.6	894(1330)
4C	(21.2mm)	(7/38/12.6mil)	(260mil)			1.295	32.9	1156(1720)
3C	2	7/60/0.32	8.3	0.469	11.9	1.354	34.4	1283(1910)
4C	(33.6mm)	(7/60/12.6mil)	(327mil)			1.508	38.3	1653(2460)

※3, 4 core has the [Y/G] earth cable of an equal size.

Allowable ampacity

- Allowable current of this catalog NFPA70 Table 400.5(A)(1) STOW ambient temperature 30°C.
- For the current correction factor, please refer to the P274.
- For please confirm the NFPA70 (National Electrical cord) and NFPA79 (Electrical Standard for Industrial Machinery) more use.

Electrical property

Size (AWG)	Conductor resistance (Ω/km20°C)	Insulation resistance (MΩkm15°C)	Electrical strength (V/1min.)	* Allowable ampacity (A)	
				a	b
18	less than 22.8	more than 52	2000	7	10
16	less than 14.3	more than 45	2000	10	13
14	less than 9.05	more than 50	3000	15	18
12	less than 5.69	more than 40	3000	20	25
10	less than 3.58	more than 34	3000	25	30
8	less than 2.27	more than 34	4000	35	40
6	less than 1.42	more than 29	4000	45	55
4	less than 0.899	more than 24	4000	60	70
2	less than 0.566	more than 20	4000	80	95

- ※ Allowable ampacity By National Electrical Code(NEC)
- a: Apply to 3-conductor cords and other multiconductor cords connected to utilization equipment so that only 3 conductors are current-carrying.
 - b: Apply to 2-conductor cords and other multiconductor cords connected to utilization equipment so that only 2 conductors are current-carrying.

Standard sales length

Make-to-order Products.
 (Please contact us about production lot.)