

# EM-ECTF/F HF

Flexible cord insulated and sheathed with polyolefin

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

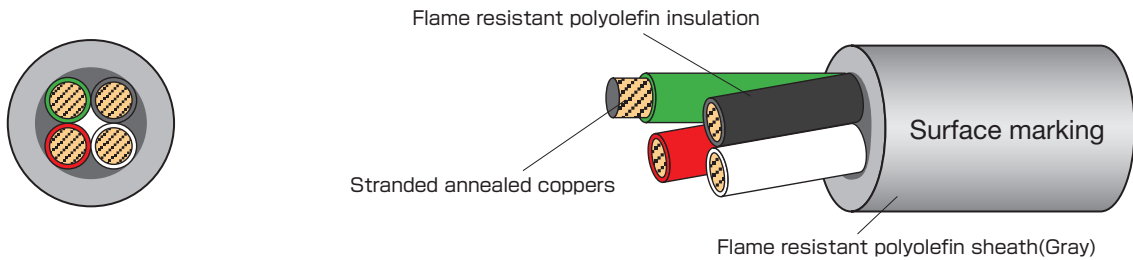
➤ Application

- Small electric appliances of a.c. 300V or under principally for indoor service.
- Use of halogen-free specification.
- Rated voltage:300V. Temp:75℃.

➤ Feature

- Non-halogen flame-resistant polyolefin for insulation and sheath.
- Halogen-free, low smoke evolution.
- Heat resistance 75 ℃.
- Cold -40 ℃.
- Conform to Electrical Appliance and Material Safety Law.

➤ Construction figure

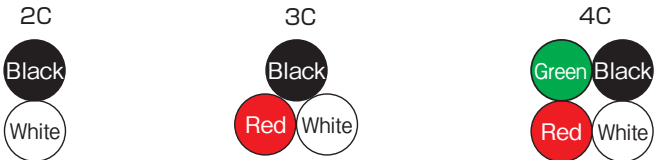


➤ Surface marking



◇◇ : Name of the registered conformity assessment body  
※R15 indicates “Compliant with RoHS Directive 2011/65/EU and Directive (EU) 2015/863 (10 substances)”.

➤ Identification



>>> Meeting standard

Certification	Electrical Appliance and Material Safety
Applicable standard	LawDepartmental order to determine a technical standard of the electrical equipment
Official symbol	Flame resistant polyolefin
Voltage rating	300V
Temperature rating	75℃
Conductor	JIS C 3102
Flame rating	JIS C 3005-4.26.2-b)



➤ Construction table

No. of cores	Conductor			Flame resistant polyolefin insulation		Flame resistant polyolefin sheath		Approx. weight (lbs/1000ft) (kg/km)	Electrical Characteristics			Allowable ampacity (A)
	Size (AWG) (mm²)	Construction (Line/mm)	Outside diameter (mm)	Outside diameter (inch)	Outside diameter (mm)	Overall diameter approx. (inch)	Overall diameter approx. (mm)		Conductor resistance (Ω/km20℃)	Insulation resistance (MΩ km20℃)	Electrical strength (V/1min.)	
2C						0.260	6.6	40 (60)				8.0
3C	0.75	30/0.18 (30/7.1mil)	1.1 (43mil)	0.091	2.3	0.276	7.0	47 (70)	less than 25.1	more than 50	2000	8.0
4C						0.299	7.6	60 (90)				8.0
2C						0.291	7.4	54 (80)				14
3C	1.25	50/0.18 (50/7.1mil)	1.5 (59mil)	0.106	2.7	0.307	7.8	64 (95)	less than 15.1	more than 50	2000	14
4C						0.335	8.5	81 (120)				14
2C						0.315	8.0	67 (100)				20
3C	2	37/0.26 (37/10.2mil)	1.8 (71mil)	0.118	3.0	0.335	8.5	81 (120)	less than 9.79	more than 50	2000	20
4C						0.362	9.2	101 (150)				19

➤ Allowable ampacity

- The allowable ampacity of this catalog is a value at one in the air construction and the ambient temperature 30℃.
- Allowable ampacity is calculated based on JCS0168.
- Please multiply the following correction coefficient by the ambient temperature.

●Adjustment factors(at ambient temperature)

Ambient temperature(℃)	30	35	40	45	50	55	60
Adjustment factors	1.00	0.94	0.88	0.82	0.75	0.67	0.58

➤ Standard sales length

100m/500m  
Please contact us which sizes are available.