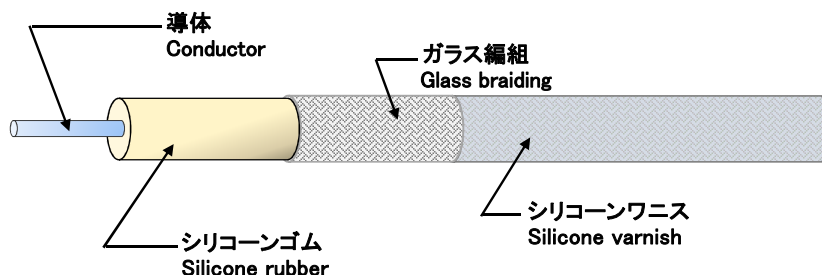


品番 Model WP- WP- (一般用電線) for General -purpose

特長 Features

1 構造・材質 Structure and material

・WP 電線は導体にシリコンゴムを押し出被覆した上にガラス繊維を編組し、シリコンワニスを塗布した電線です。難燃性シリコンゴムを押し出被覆しているFWP 電線^(注)もございます。
 Type WP wire is constructed from a conductor covered with injection-molded silicone rubber and glass fiber braiding, and coated with silicone varnish.
 We could supply flame-resistant silicone rubber type, FWP wire.(See " Note ")



2 品質・用途等 Quality and applications

・耐熱性、電気絶縁性にすぐれ、機械的強度を要求される各種熱器具等の配線に使用されております。
 Silicone rubber insulated wire is used in various types of heating equipment, which requires property of mechanical strength.

(注) 難燃性は社内規格です。
 Note) The flame-resistance is based on our internal standard.

3 標準製品仕様 Typical specifications of products

導体 Conductor			絶縁体厚さ (mm) Insulator thickness	ガラス編組厚さ (mm) Glass Braiding thickness	仕上り外径 (mm) finished O.D.	絶縁抵抗 (MΩ-km) Insulation resisitance
直径又は公称断面積 Diameter or nominal cross section	芯線構成 (本/mm) Core structure	外径 (mm) Outside diameter				
0.8mm	1/0.8	0.8	0.4	0.2	2.0 (±0.20)	≥ 100
1.0mm	1/1.0	1.0	0.4	0.2	2.2 (±0.22)	≥ 100
1.2mm	1/1.2	1.2	0.4	0.2	2.4 (±0.24)	≥ 100
0.5mm ²	20/0.18	1.0	0.4	0.2	2.2 (±0.22)	≥ 100
0.75mm ²	30/0.18	1.2	0.4	0.2	2.4 (±0.24)	≥ 100
1.25mm ²	50/0.18	1.5	0.4	0.2	2.7 (±0.27)	≥ 100
2.0mm ²	37/0.26	1.8	0.4	0.2	3.0 (±0.30)	≥ 100
3.5mm ²	45/0.32	2.5	0.6	0.25	4.2 (±0.42)	≥ 100
5.5mm ²	35/0.45	3.1	0.6	0.25	4.8 (±0.48)	≥ 90

4 特性例

Characteristics

試験項目 Test item	単位 Unit	WP-40-50T (WP-type wire)	FWP-40-50T (FWP-type wire)	社内規格 Internal standards	
芯線構成 Cross structure		20/0.18	20/0.18	20/0.18	
仕上り外径 Outside diameter	mm	2.26	2.23	2.20±0.22	
水中耐電圧 Withstand voltage in water		合格 Pass	合格 Pass	AC1500V/1minutes	
絶縁体 Insulator	引張強さ Tensile strength	MPa	8.7	10.2	≥4
	伸び Elongation	%	302	358	≥100
絶縁抵抗 Insulation resistance	MΩ-km	120	180	≥100	
難燃性 Flammability		—	VW-1相当 Equivalent to the VW-1 test	UL-1581	