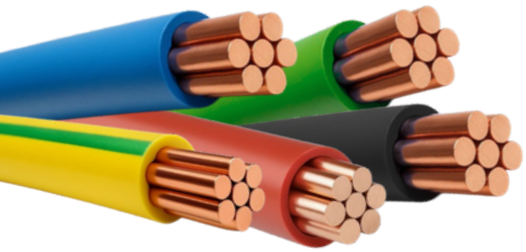
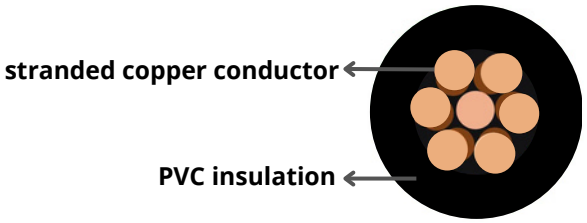
Insulation Colour



Construction



Description/Order Information:

Part No.: PW -1x(1 , 1.5 , 2 , 2.5 , 3 , 4 , 6) ST.C - PVC

Electrical single-core with 7 stranded pure copper conductors ,
PVC insulation , rated voltage : 450/750 [V]
Available colors: Red, Yellow, Blue, Black and Y-G (Upon request)
Packaging: Rolls: 100 on drum

سلك كهربائي مفرد , ناقل نحاس صافي 7 سلكات ,
معزول بطبقة من ال PVC , جهد اسمي 450/750 فولت
الوان : أحمر , أصفر , أزرق ,أسود و أصفر- أخضر (حسب الطلب)
التغليف : بكرة 100 متر

Standard Compliance:

Conductor: IEC 60228 – Class 2 (Stranded Copper)	ES 182 (Egyptian Standard)
RoHS Compliant – Free from hazardous substances	IEC 60227

Application :

- Suitable for low to medium power distribution in residential commercial buildings, and industrial facilities.
- Used in distribution boards, panel wiring, and connection of moderate-load devices.
- Used for internal wiring in lighting circuits, sockets, control panels, and switches
- Ideal for water pumps, heaters, air conditioners, and small 3-phase motors, also for internal wiring
- Good for installations in conduits, ducts, or compact spaces

Electrical Characteristics & Physical Characteristics :

	1 m.m²	1.5 m.m²	2 m.m²	2.5 m.m²	3 m.m²	4 m.m²	6 m.m²
• Conductor Type :	Class 2 Stranded Conductor (7 wires)						
• Single [Wire/strand] Diameter [mm] :	0.43	0.52	0.58	0.67	0.72	0.82	1.05
• Conductor DC Resistance at 24°C [Ω/km] :	17.9	12	9.3	7.12	6.13	4.59	3.01
• Current Carrying Capacity [A] (PHASE) :	11	14.5	18	20	23	26	34
• Current Carrying Capacity [A] (FREE) :	15	19.5	23	27	31	36	46
• Outer Diameter [mm] :	2.5 m.m	2.9 m.m	3.4 m.m	3.7 m.m	3.9 m.m	4.3 m.m	4.6 m.m
• Insulation Material:	PVC	PVC	PVC	PVC	PVC	PVC	PVC
• Nominal Insulation Thickness:	0.75 mm	0.75 mm	0.9 mm	0.9 mm	0.9 mm	0.93 mm	0.93 mm
• Insulation Resistance at 70°C [MΩ.km] :	0.015	0.0114	0.0132	0.0121	0.0121	0.0097	0.0080
• Weight (Approx.) [Kg/100m] :	~ 1.5	~ 2.1	~ 2.7	~ 3.5	~ 4	~ 5	~ 7.2