

Irradiated PE (Lead Free) Hook-Up Wire

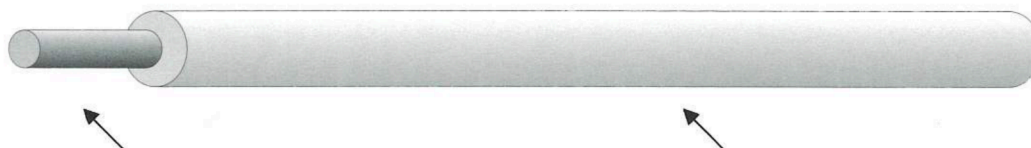
UL TYPE SIS, 90°C 600V

APPLICATION:

Internal wiring of electronic equipment, particularly terminal-board wiring. Electron-beam cross-linked XLPE SIS wire provides excellent heat and flame resistance, abrasion and deformation resistance, a small outer diameter, low weight, easy termination and wiring, and excellent aging resistance.

DESCRIPTION:

1. Maximum conductor operating temperature: 90°C.
2. High short-circuit current capacity for a given conductor size.
3. Passed the vertical flame test.
4. Good heat and water resistance.
5. Good chemical and atmospheric corrosion resistance.
6. High tensile strength and elongation.
7. Excellent abrasion, oil and solvent resistance.
8. Small outer diameter, light weight and easy termination.
9. High flame resistance; passed the UL VW-1 vertical flame test.



Conductor

XLPE insulation

CONDUCTOR			INSULATION		MAX. COND. RESIST.	ALLOWABLE CURRENT	DIELECTRIC STRENGTH	STANDARD LENGTH
Conductor			Insulation		Cond. Resist.	Allow Amp.	Diel. Strength	Stand. Length
Size	Composition	Diam	Nom. Thick	Diam				
AWG	No/mm	mm	mm	mm	(20°C) Ω/km	A	ACV /1 min	FT ¹
14	41/0.254	1.9	0.8	3.5	9.33	27.4	3000	1000
12	65/0.254	2.37	0.85	1.07	5.88	37.2		
10	105/0.254	3.0	0.85	4.7	3.73	50.1		
8	41/0.511	3.8	1.35	6.5	2.23	73.0	3500	(100M)

Note : 1. Conductor : Tinned annealed Copper.

2. Ampacity : Ambient temperature 40°C in the air