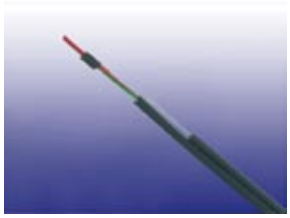
PVC Insulated Self Supporting Drop Wires to RUS (REA) PE-7

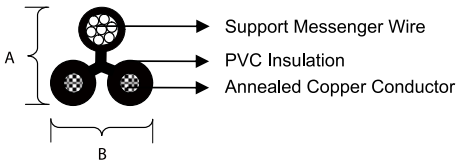
APPLICATION

The drop wires are designed for extending a distribution cable pair from a pole or cable terminal to a subscriber premises. The cables are suitable for aerial installation.



STANDARDS

• RUS (REA) PE-7



CONSTRUCTION

• **Conductors:** Solid annealed bare copper 0.64mm or 0.9mm as per ASTM B-3/class 1 of IEC 60228.
• **Steel Bearer Wire:** Galvanized steel wire, solid.
• **Insulation:** High density black PVC which can be made ultraviolet resistant by addition of carbon black.

ELECTRICAL PROPERTIES

Nominal Conductor Diameter	mm	0.64	0.9
Conductor Gauge Size	AWG	22	19
Conductor Size	mm^2	0.332	0.636
Maximum Conductor Resistance @20°C	Ω/km/ Ω/mile	57.1/91.8	28/44.9
Minimum Insulation Resistance @500V DC	MΩ·km / MΩ·mile	400/249	400/249
Maximum Breaking Strength	Kg	155	155
Dielectric Strength 1min	V RMS	1500	1500
Nominal Insulation Thickness	mm/inch	1.0/0.039	1.05/0.041
Nominal Insulated Conductor Diameter	mm/inch	2.65/0.104	3.05/0.12
Nominal Diameter of Steel Wire Core	mm/inch	3.2/0.126	3.35/0.132

MECHANICAL AND THERMAL PROPERTIES

Temperature range during operation (fixed state): -30°C – +70°C
Temperature range during installation (mobile state): -20°C – +50°C
Minimum bending radius: 7.5 x Overall Diameter

DIMENSIONS AND WEIGHT

Cable Code	Number and Diameter of Wires in Conductor	Diameter of Supporting Wire	Nominal Insulation Thickness	Nominal Insulation Diameter		Nominal Overall Dimensions		Nominal Weight
				Conductor	Supporting Wire	A	B	
	No./mm	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	kg/km / lbs/kft
TP7-Y-1P064-SS	2×0.64	1.2/0.047	1.00/0.039	2.65/0.104	3.20/0.125	6.1/0.24	6.1/0.24	43/28.89
TP7-Y-1P09-SS	2×0.90	1.2/0.047	1.05/0.041	3.05/0.120	3.35/0.132	8.1/0.32	6.8/0.27	52/34.94