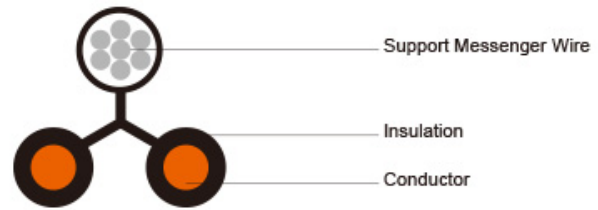


PVC Insulated Self Supporting Drop Wires to  
RUS (REA) PE-7

<b>Application</b>	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.
<b>Standards</b>	RUS (REA) PE-7 RUS (REA) PE-7
<b>Construction</b>	
<b>Conductors:</b>	Solid annealed bare copper 0.64mm or 0.9mm as per ASTM B-3/class 1 of IEC 60228
<b>Steel Bearer Wire:</b>	Galvanized steel wire, solid
<b>Insulation:</b>	High density black PVC which can be made ultraviolet resistant by addition of carbon black

**Electrical Properties**

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