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### General Description:

12 AWG multi-conductor stranded (7x20) bare copper conductors, PVC/Nylon insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
2	12	7x20	BC - Bare Copper

Total Number of Conductors: 2

#### Ground Wire

Ground Wire (Y/N): N

#### Insulation

##### Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.194

#### Overall Cable

##### Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 9.195 mm

### Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 127.985 Kg/Km

Max. Recommended Pulling Tension: 542.680 N

Min. Bend Radius/Minor Axis: 93.980 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: NPLF, TC

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2000/53/EC (ELV): Yes

<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Other Specification:</b>	ICEA S-73-532, S-95-658, S-61-402

**Flame Test**

<b>UL Flame Test:</b>	UL1685 UL Loading
<b>CSA Flame Test:</b>	FT4
<b>IEEE Flame Test:</b>	1202

**Suitability**

<b>Suitability - Burial:</b>	Yes
<b>Sunlight Resistance:</b>	Yes

**Plenum/Non-Plenum**

<b>Plenum (Y/N):</b>	No
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**Electrical Characteristics (Overall)**

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/km)</b>
5.41365

**Max. Operating Voltage - UL:**

<b>Voltage</b>
600 V RMS (TYPE TC)
150 V RMS (NPLF)

**Max. Recommended Current:**

<b>Current</b>
20 Amps per conductor @ 25°C

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
27641A 0105000	5,000 FT	410.000 LB	BLACK		2 #12 PVC/NYL PVC

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