

**ENGLISH** 

# **Datasheet**

# RS Pro 6 Core Security Cable 0.19 mm<sup>2</sup> CSA, Polyvinyl Chloride PVC Sheath, 100m

RS Stock No: 820-0182



#### **Product Details**

RS Pro 6-core security cable of 100 m, has grade 1 tinned annealed copper conductors for enhanced conductivity. This 0.19 mm<sup>2</sup> CSA cable comes with white PVC sheath and insulation to provide high flexibility. The cable meets BS EN 50363-4-1:2005, BS 7655-4.2:2000 standards.

### **Features and Benefits**

- 7 strands
- Grade 1 tinned annealed copper conductors
- PVC insulated
- Lead and tin free
- White PVC sheath
- · Easy to strip
- Flexible





# **Specifications:**

Cable ShapeMulticoreConductor MaterialTinned Annealed CopperConductor Resistance92 Ω/kmCore Strands7/0.19 mmCurrent Rating1 A per CoreInsulation MaterialPVCJacket RipcordYesMaximum Operating Temperature+70°CMinimum Operating Temperature-50°CNumber of Cores6Number of Strands7Operating Temperature Range-50 to +70°COuter Diameter4.9 mmReel Length100 mScreened/UnscreenedUnscreenedSheath ColourWhiteSheath MaterialPVCSize of Strands0.19 mmStandards MetBS EN 50363-4-1; BS4737Voltage Rating50 V	opeoinioatione.	
Conductor MaterialTinned Annealed CopperConductor Resistance92 Ω/kmCore Strands7/0.19 mmCurrent Rating1 A per CoreInsulation MaterialPVCJacket RipcordYesMaximum Operating Temperature+70°CMinimum Operating Temperature-50°CNumber of Cores6Number of Strands7Operating Temperature Range-50 to +70°COuter Diameter4.9 mmReel Length100 mScreened/UnscreenedUnscreenedSheath ColourWhiteSheath MaterialPVCSize of Strands0.19 mmStandards MetBS EN 50363-4-1; BS4737Voltage Rating50 V	Bedding Material	PVC
Conductor Resistance92 Ω/kmCore Strands7/0.19 mmCurrent Rating1 A per CoreInsulation MaterialPVCJacket RipcordYesMaximum Operating Temperature+70°CMinimum Operating Temperature-50°CNumber of Cores6Number of Strands7Operating Temperature Range-50 to +70°COuter Diameter4.9 mmReel Length100 mScreened/UnscreenedUnscreenedSheath ColourWhiteSheath MaterialPVCSize of Strands0.19 mmStandards MetBS EN 50363-4-1; BS4737Voltage Rating50 V	Cable Shape	Multicore
Core Strands Current Rating 1 A per Core Insulation Material PVC Jacket Ripcord Yes Maximum Operating Temperature H70°C Minimum Operating Temperature Strands Voperating Temperature F50°C Number of Cores Number of Strands Forecasting Temperature Range Forecasting Temperature F	Conductor Material	Tinned Annealed Copper
Current Rating 1 A per Core Insulation Material PVC Jacket Ripcord Yes Maximum Operating Temperature +70°C Minimum Operating Temperature -50°C Number of Cores 6 Number of Strands 7 Operating Temperature Range -50 to +70°C Outer Diameter 4.9 mm Reel Length 100 m Screened/Unscreened Unscreened Sheath Colour White Sheath Material PVC Size of Strands 0.19 mm Standards Met BS EN 50363-4-1; BS4737 Voltage Rating 50 V	Conductor Resistance	92 Ω/km
Insulation Material PVC Jacket Ripcord Yes  Maximum Operating Temperature +70°C  Minimum Operating Temperature -50°C  Number of Cores 6  Number of Strands 7  Operating Temperature Range -50 to +70°C  Outer Diameter 4.9 mm  Reel Length 100 m  Screened/Unscreened Unscreened  Sheath Colour White  Sheath Material PVC  Size of Strands 0.19 mm  Standards Met BS EN 50363-4-1; BS4737  Voltage Rating 50 V	Core Strands	7/0.19 mm
Jacket Ripcord  Maximum Operating Temperature  H70°C  Minimum Operating Temperature  -50°C  Number of Cores  Number of Strands  Operating Temperature Range  Operating Temperature Range  -50 to +70°C  Outer Diameter  Reel Length  100 m  Screened/Unscreened  Unscreened  Sheath Colour  Sheath Material  PVC  Size of Strands  O.19 mm  Standards Met  BS EN 50363-4-1; BS4737  Voltage Rating  50 V	Current Rating	1 A per Core
Maximum Operating Temperature +70°C  Minimum Operating Temperature -50°C  Number of Cores 6  Number of Strands 7  Operating Temperature Range -50 to +70°C  Outer Diameter 4.9 mm  Reel Length 100 m  Screened/Unscreened Unscreened  Sheath Colour White  Sheath Material PVC  Size of Strands 0.19 mm  Standards Met BS EN 50363-4-1; BS4737  Voltage Rating 50 V	Insulation Material	PVC
Minimum Operating Temperature -50°C  Number of Cores 6  Number of Strands 7  Operating Temperature Range -50 to +70°C  Outer Diameter 4.9 mm  Reel Length 100 m  Screened/Unscreened Unscreened  Sheath Colour White  Sheath Material PVC  Size of Strands 0.19 mm  Standards Met BS EN 50363-4-1; BS4737  Voltage Rating 50 V	Jacket Ripcord	Yes
Number of Cores  Number of Strands  7 Operating Temperature Range  -50 to +70°C  Outer Diameter  4.9 mm  Reel Length  100 m  Screened/Unscreened  Unscreened  Sheath Colour  White  Sheath Material  PVC  Size of Strands  5.19 mm  Standards Met  BS EN 50363-4-1; BS4737  Voltage Rating	Maximum Operating Temperature	+70°C
Number of Strands 7 Operating Temperature Range -50 to +70°C Outer Diameter 4.9 mm Reel Length 100 m Screened/Unscreened Unscreened Sheath Colour White Sheath Material PVC Size of Strands 0.19 mm Standards Met BS EN 50363-4-1; BS4737 Voltage Rating 50 V	Minimum Operating Temperature	-50°C
Operating Temperature Range -50 to +70°C Outer Diameter 4.9 mm Reel Length 100 m Screened/Unscreened Unscreened Sheath Colour White Sheath Material PVC Size of Strands 0.19 mm Standards Met BS EN 50363-4-1; BS4737 Voltage Rating 50 V	Number of Cores	6
Outer Diameter 4.9 mm  Reel Length 100 m  Screened/Unscreened Unscreened  Sheath Colour White  Sheath Material PVC  Size of Strands 0.19 mm  Standards Met BS EN 50363-4-1; BS4737  Voltage Rating 50 V	Number of Strands	7
Reel Length 100 m Screened/Unscreened Unscreened Sheath Colour White Sheath Material PVC Size of Strands 0.19 mm Standards Met BS EN 50363-4-1; BS4737 Voltage Rating 50 V	Operating Temperature Range	-50 to +70°C
Screened/Unscreened Sheath Colour White Sheath Material PVC Size of Strands 0.19 mm Standards Met BS EN 50363-4-1; BS4737 Voltage Rating 50 V	Outer Diameter	4.9 mm
Sheath Colour White Sheath Material PVC Size of Strands 0.19 mm Standards Met BS EN 50363-4-1; BS4737 Voltage Rating 50 V	Reel Length	100 m
Sheath Material PVC Size of Strands 0.19 mm Standards Met BS EN 50363-4-1; BS4737 Voltage Rating 50 V	Screened/Unscreened	Unscreened
Size of Strands 0.19 mm Standards Met BS EN 50363-4-1; BS4737 Voltage Rating 50 V	Sheath Colour	White
Standards Met BS EN 50363-4-1; BS4737 Voltage Rating 50 V	Sheath Material	PVC
Voltage Rating 50 V	Size of Strands	0.19 mm
2 2 3 3	Standards Met	BS EN 50363-4-1; BS4737
Minimum Insulation Resistance 50 MΩ/Km	Voltage Rating	50 V
	Minimum Insulation Resistance	50 MΩ/Km





# **Construction**

7 Strands of Grade 1 tinned annealed copper conductors insulated with coloured PVC, lead and tin free BS EN 50363-4-1:2005 Grade TI 1 assembled in a compact circular formation and sheathed overall with white PVC, lead and tin free BS 7655-4.2:2000 Grade Type 6.

## **Overall Diameter**

4 Core 3.5mm +/- 5%

6 Core 4.9mm +/- 5%

8 Core 4.5mm +/- 5%

## **Colour Coding of Cores**

4 Core: red, yellow, blue, black

6 Core: red, yellow, blue, black, white, green

8 Core: red, yellow, blue, black, white, green, brown, orange

Voltage Rating: 50 V

Current Rating: 1 amp per core

Operating Temprature: -50 to +70 degrees C

Conductor Resistance : < 92 Ohms per Km exceeding the

requirements of BS4737

Minimum Insulation Resistance: 50m Ohms per Km