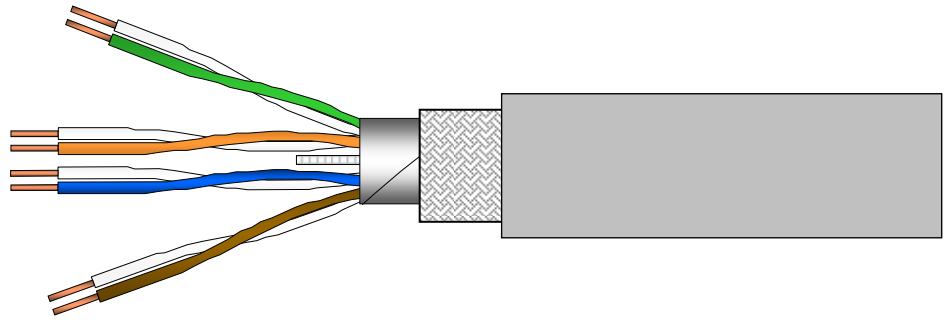
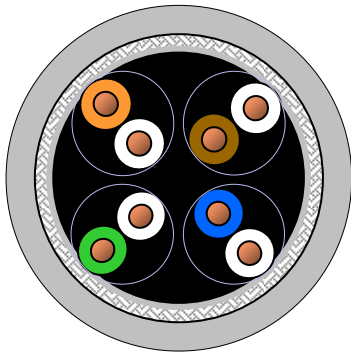


# Technical Specification RS 625-6798



## Category 5 SFTP PATCH PVC

### Cabling Application

Structured Cable for Patch & Floor Outlet Installation  
Compatible with all Known Connection systems according to EN50173  
Approved by BASEC 067/001/010

### Applicable Standards

ISO/IEC 11801 – 2<sup>nd</sup> Edition  
EN 50173; EN 50288-2-1  
ANSI/TIA/EIA-568-B.2-2001  
Fire Propagation Test : UL 1581 VW1 (PVC Only)  
IEC60332.1; EN50265-2-1

### Cable construction

Conductor	<b>7/0.16 Stranded Bare Cu Wire</b>	Outside Diameter of Conductor	<b>(7/0.16)0.48 mm</b>
Insulator Material	<b>PE</b>	Outside Diameter of Insulation	<b>0.88 mm</b>
Number of Twisted Pairs	<b>4</b>	Outside Diameter of Sheath	<b>5.60 mm</b>
Screen Material (Laminated Foil Tape And Tinned Copper Wire)	<b>Al/PE+TCW</b>	Weight PVC	<b>35 kg/km</b>
Sheath Material	<b>PVC</b>	Sheath Colour (OEM Specified)	<b>Grey</b>
		Sheath Printing (up to 24 characters)	<b>As RS Order</b>

### Cable Properties

Min. Installation Bend Radius	<b>8 x Dia</b>
Min. Installed Bending Radius	<b>4 x Dia</b>
Max. Installation Tension	<b>100N</b>
Max. Installed Tension	<b>Zero</b>
Installation Temp. Range Installed	<b>0 to 50°C</b>
Operating Temp. Range	<b>-20 to 60°C</b>

### Electrical Characteristics @ 20 °C

Characteristic impedance (1-100Mhz)	<b>100±15 Ω</b>
Characteristic impedance (100-250Mhz)	<b>100±18 Ω</b>
DC Conductor Loop Resistance	<b>19 Ω/100m</b>
Max. Resistance unbalance	<b>≤3%</b>
Nominal Velocity of Propagation	<b>66%</b>
Nominal Capacitance	<b>50 pF/m</b>
Max. Capacitance unbalance	<b>1600 pF/km</b>
Insulation Resistance (500V)	<b>≥2000 MΩ.km</b>

### Packaging

Reel Sizes	<b>P3</b>
Length per Reel	<b>305m</b>
Reel Dimensions	<b>Ø300mm</b>
Weight PVC	<b>11 kg</b>

### Impedance



### Attenuation & NEXT

