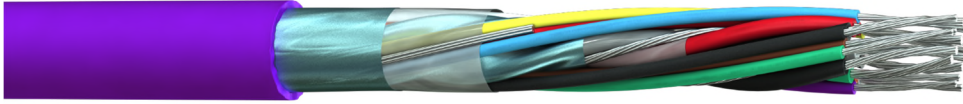**Part No:** 3993P9CHP-E00

Description: Purple Pipe designed for proprietary access control systems, this cable is widely used in public buildings and commercial and retail organisations where security and safety are important. Low Smoke Halogen Free throughout

BS EN 50575
CLASS Eca
CONSTRUCTION PRODUCTS REGULATION
INDEPENDENTLY VERIFIED

Construction

Pair 1
Conductor Material	: Tinned Copper, 20(7)awg
Insulation Material	: Foamed Polyethylene (FPE)
Tape	: Polyester
Drain Wire	: Tinned Copper, 20(7)awg
Overall Screen	: Aluminium Foil (100% Coverage)
Core Identification	: Black, Green

Pair 2 & 3
Conductor Material	: Tinned Copper, 22(7)awg
Insulation Material	: Foamed Polyethylene (FPE)
Tape	: Polyester
Drain Wire	: Tinned Copper, 22(7)awg
Overall Screen	: Aluminium Foil (100% Coverage)
Core Identification	: Black & Red, Black & White

9 Cores
Conductor Material	: Tinned Copper, 22(7)awg
Insulation Material	: Polyethylene (PE)
Core Identification	: Black, White, Red, Brown, Blue, Orange, Yellow, Violet, Green

Overall
Tape	: Polyester
Drain Wire	: Tinned Copper, 22(7)awg
Screen	: Overall Aluminium Foil (100% Coverage)
Sheath Material	: Low Smoke Halogen Free (LSHF), Violet

Electrical Characteristics

Nominal Conductor Resistance @20°C	: 20AWG <36.8 Ω/km	22AWG <60.2 Ω/km
Capacitance Core to Core	: 20AWG <67 pF/m ± 20	
Core to Screen	: 20AWG <118 pF/m ± 35	
Impedance	20AWG, 22AWG: < 85 Ω ± 25	
Voltage Rating	: 450/750 V *Applies to CE marked FSC branded stock only*	
Test Voltage	: 2.5 kV for 5 minutes	

Physical Characteristics

Overall Diameter	: 9.5 ± 0.3mm
Min. Bend Radius	: 10 x OD
Temperature Rating	: -20°C to +70°C
Weight	: 114 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1&2
RoHS3 Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Eca (EN50575:2014+A1:2016)

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