# **Detailed Specifications & Technical Data**

## METRIC MEASUREMENT VERSION



# 5543PE Multi-Conductor - Commercial Applications



For more Information please call

1-800-Belden1



# **General Description:**

Security & Alarm Cable, Riser-CMR, 4-22 AWG stranded bare copper pairs with PVC insulation, Individually Beldfoil® shielded and PVC jacket with ripcord

# **Physical Characteristics (Overall)**

## Conductor

#### AWG:

# Pairs	AWG	Stranding	<b>Conductor Material</b>
4	22	7x30	BC - Bare Copper

Total Number of Conductors: 8

#### Insulation

#### **Insulation Material:**

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

#### **Inner Shield**

## Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Таре	Aluminum Foil-Polyester Tape	100

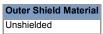
#### Inner Shield Drain Wire AWG:



Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

## **Outer Shield**

#### **Outer Shield Material:**



#### **Outer Jacket**

# **Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8382

## **Overall Cable**

Overall Nominal Diameter: 7.696 mm

# Pair

## **Pair Color Code Chart:**

Number	Color	
1	Black/Red & Red	
2	Black/White & White	
3	Black/Green & Green	
4	Black/Blue & Blue	

# Pair Lay Length & Direction:

Lay Length (mr	n)
31.75	

Page 1 of 3 01-30-2019

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Med	Mechanical Characteristics (Overall)					
	Operating Temperature Range:	-20°C To +75°C				
	Bulk Cable Weight:	74.410 Kg/Km				
	Max. Recommended Pulling Tension:	324.719 N				
	Min. Bend Radius/Minor Axis:	76.200 mm				
App	Applicable Specifications and Agency Compliance (Overall)					

# **Applicable Standards & Environmental Programs**

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NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
ame Test	
UL Flame Test:	UL1666 Vertical Shaft
C(UL) Flame Test:	FT4
anum/Non Dianum	

## Fla

#### Plenum/Non-Plenum

Plenum (Y/N): No

# **Electrical Characteristics (Overall)**

Nom. Inductance:

Inductance (µH/m) 0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 295.29

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 53.1522

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

2 Amps per conductor @ 25°C

# **Put Ups and Colors:**

Item # Putup Ship Weight Col-	Color Notes Item Desc
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5543PE 0081000	1,000 FT	55.000 LB	GRAY	4 FS PR #22 PVC PVC	
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Revision Number: 1 Revision Date: 03-11-2013

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