	<b>TECHNICAL DATA SHEET</b>	code	<b>4302FE</b>
	<i>concept</i>	version	<b>2</b>
		date	<b>2005-11-02</b>
	<b>4302FE NON-PAIRED</b>	page	<b>1/2</b>

## APPLICATION

Commercial applications shielded

## CONSTRUCTION



### 1. Conductor

Diameter of conductor 1.22mm (AWG18)  
Material stranded bare copper (7xAWG26)

### 2. Insulation

Material PE  
Diameter over insulation  $1.72 \pm 0.05$  mm  
Wallthickness 0.25 mm

### 3. Overall Cabling

Colour code black-red-white-green

### 4. Outer shield

Shield Beldfoil®  
Shield Material Aluminium / Polyester tape  
Shield Thickness Alu 9  $\mu$ m  
Shield coverage 100%  
Drainwire AWG20 (7xAWG28) tinned Cu


### 4. Sheath

Material FRNC  
Colour Grey  
Nominal thickness of sheath 0.38 mm  
Diameter over sheath  $4.9 \pm 0.30$  mm

## REQUIREMENTS AND TEST METHODS

### Electrical:

Nominal resistance conductor 21.3  $\Omega$ /km  
Nominal resistance shield 23.6  $\Omega$ /km  
Nom. capacitance conductor to conductor @ 1kHz 125 pF/m  
Nom. capacitance cond. to shield + other cond. @ 1kHz 224 pF/m  
Testvoltage conductor-conductor 2500 VDC, 3 seconds  
Testvoltage conductor-screen 2500 VDC, 3 seconds  
Voltage rating 300 V RMS  
Maximum continues current per conductor @ 25 °C 3.5 A per conductor @ 25 °C

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	<i>concept</i>	version	<b>2</b>
		date	<b>2005-11-02</b>
	<b>4302FE NON-PAIRED</b>	page	<b>2/2</b>

**Mechanical and physical:**

Temperature range processing and operating	-20 to +70 °C
Temperature range storage	-30 to +70 °C
Minimum bending/setting radius	5*D/10*D
Maximum pulling tension	200 N
Halogen free according to	IEC 60754-1
Non dense smoke according to	IEC 61034-1 and 61034-2
Non corrosive gas according to	IEC 60754-2
Flame Retardant according to	IEC 60332-1

**MARKING**

NEW GENERATION(R) BY BELDEN 4300FE HALOGEN FREE 70C 4C18 SHIELDED + sequential meter marking.



Belden CDT believes this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.