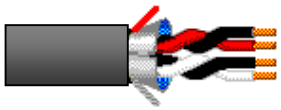
APPLICATION

Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power-Limited Controls.

CONSTRUCTION



1. Conductor

Diameter of conductor	0.75mm **(**AWG22)
Material	Bare copper (7xAWG30)

2. Insulation

Material	PE
Diameter over insulation	1.25 ± 0.05 mm
Nom. Wallthickness	0.25 mm
Colour of insulation	Pair 1: black and red Pair 2: black and white

3. Cable core 2 pairs stranded

4. Outer shield

Shield	Beldfoil®
Shield Material	Aluminium / Polyester tape
Shield Thickness	9 µm
Shield coverage	100%
Drainwire	AWG24 (7xAWG32) tinned Cu

4. Sheath

Material	FRNC
Colour	Grey
Nominal thickness	0.38 mm
Nominal diameter	5.3 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor	54 Ω/km
Nominal resistance shield	46 Ω/km
Nom. capacitance conductor to conductor @ 1kHz	105 pF/m
Nom. capacitance cond. to shield + other cond. @ 1kHz	190 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	2.2 A

Mechanical and physical:

Flame resistance	u.c.
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	105 N

Belden declares 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.