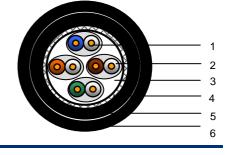


### CA00242

Cable assembly with 1303EPU CatSnake® cable With 2x Neutrik field installable RJ45 connectors NE8MX6 on Schill GT450.RM reel

## **Applications**



- Field deployable CAT6a patch horizontal and building backbone cable
- CobraNet, eSnake, Ethersound, Digital audio over Ethernet
- Support current and future Category 6A and 6 applications, such as:
- 10GBase-T (10 Gigabit Ethernet), 1000Base-T (Gigabit Ethernet), 100 Base-T, 10 Base-T, FDDI, ATM
- Compatible connectors Belden R301601 000S1 (T568A) and R301602 000S1 (T568B)

## **General Standards**

- International standard: ISO/IEC 11801 2nd edition (2002) and ISO/IEC 11801 Amendment 2 (2010)
- European standard: EN 50173-1 (2002) and EN 50173-1 Amendment 1 (2009)
- U.S. Standard: ANSI/TIA/EIA 568-B.2-10 (2008)

# Construction

#### 1) CatSnake® cable

1.	<b>Conductor</b> Material Diameter	Stranded bare copper ETP AWG 24/7
2.	Insulation Material Nominal diameter over insulation	Foamed polyethylene 1.4 mm
3.	Cable core Pair Foil Number of shielded pairs Colour code pair 1 Colour code pair 2 Colour code pair 3 Colour code pair 4	2 twisted insulated conductors with overall foil Laminated aluminium-polyester Aluminium facing outside 4, all twisted together with AWG 26 tinned copper drain wire White / Blue White / Orange White / Green White / Brown
4.	<b>Braid</b> Material Coverage	Solid tinned copper ≥ 80%
5.	<b>Inner jacket</b> Material Diameter Colour	Matte rugged PVC 7.2 ± 0.3 mm Black (RAL 9005)

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#### 6. Outer jacket Foil under jacket Material Diameter

Non woven foil Matte rugged PUR 8.7 ± 0.3 mm Black (RAL 9005)

# 2) Connector (2x)

Colour

Туре	Neutrik Cat. 6 <sub>A</sub> etherCon connector NE8MX6 RJ45 T568B shielded
Belden code	AWG22-24 field installable connector VA00068 (NE8MX6)
3) Reel	

# 3) Reel

Туре

Schill GT 450.RM

## 4) Assembly

Cable on reel with 5m excessive length on front. Connector on both ends of the cable.

# **Electrical requirements**

NEXT requirement:	1dB margin compared to ISO/IEC 11801:2002/Amd 2:2010	(See table below)		
Return loss requirement:	1dB margin compared to ISO/IEC 11801:2002/Amd 2:2010	(See table below)		
Current Rating:	1.5 A			
Insulation Resistance:	500 MΩ min.			
Contact Resistance:	20 mΩ max.			
Dielectric Strength:	1000 VAC (rms)			
Voltage:	72 VDC max.			

#### **Typical performance**

1*	4	10	16	31.2	62	100	200	250	300	500	MHz
2.2	4.1	6.2	7.9	11.1	15.8	202	29.1	32.8	36.2	47.8	dB/100m
90	90	90	90	90	90	88	80	78	75	70	dB
20.8	30	30	30	30	29	27	24	22	20	17	dB
	2.2 90	2.2 4.1   90 90	2.2     4.1     6.2       90     90     90	2.2     4.1     6.2     7.9       90     90     90     90	2.2     4.1     6.2     7.9     11.1       90     90     90     90     90	1     4     10     10     31.2     62       2.2     4.1     6.2     7.9     11.1     15.8       90     90     90     90     90     90	1     4     10     10     31.2     02     100       2.2     4.1     6.2     7.9     11.1     15.8     202       90     90     90     90     90     90     88	1     4     10     18     51.2     62     100     200       2.2     4.1     6.2     7.9     11.1     15.8     202     29.1       90     90     90     90     90     90     88     80	1     4     10     18     31.2     62     100     200     230       2.2     4.1     6.2     7.9     11.1     15.8     202     29.1     32.8       90     90     90     90     90     88     80     78	1     4     10     16     31.2     62     100     200     230     300       2.2     4.1     6.2     7.9     11.1     15.8     202     29.1     32.8     36.2       90     90     90     90     90     88     80     78     75	1     4     10     18     31.2     62     100     200     230     300     300       2.2     4.1     6.2     7.9     11.1     15.8     202     29.1     32.8     36.2     47.8       90     90     90     90     90     88     80     78     75     70

Values below 4 MHz are for information only.

# **Mechanical requirements**

Insertion Life:	750 mating cycles
Temperature rating installation:	0 / 50°C
Temperature rating operation and storage:	-20 / 60°C
Temperature range (un)winding	-10 / 60°C

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.



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