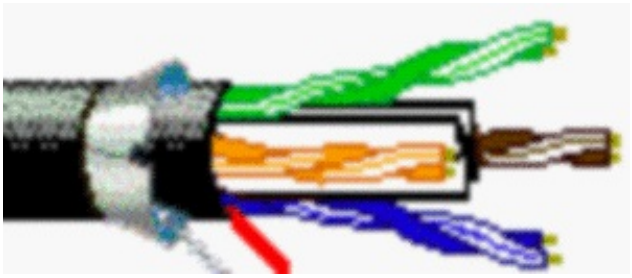

10GX63F

Part Number: 10GX63F

Enhanced Category 6A F/UTP Bonded-Pair Cable

Product Description

CAT6A (625MHz), 4-Bonded-Pair, F/UTP-Foil Shielded, Plenum-CMP, Premise Horizontal Cable, 23 AWG Solid Bare Copper Conductors, FEP Insulation, Patented X-Spline, Inner Jacket, Overall Foil Screen with Drain Wire, Ripcord, Flamarrest® Jacket

Product Specifications

Application

Suitable Applications:	Premise Horozontal Cable, 10 Gigabit Ethernet, 100Base TX, 100Base VG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU Digital Audio AES51, RS-422, Noisy Environments, PoE

Conductor

Total Number of Conductors:	8

Technical Specifications

APAC Standard

MII Order #39 (China RoHS):	Yes

Applicable Patents

Country:	US
Patent:	7663061

Bend Radius

Min Bend Radius/Minor Axis:	1.2 in
Min Bend Radius/Installation:	3 in

CCB-Part Number

Notes:	Jacket sequentially marked at 2 ft. intervals. Third party channel verified to TIA/EIA-568-C.2, Category 6a.

CCB-Sub-Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	10GX62F

Contact Information

PHONE_NUM:	1-800-Belden1

EMEA Standard

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

Environmental Characteristics

Operating Temp Range:	-10˚C To +75˚C
Storage Temp Range:	-20˚C To +80 ˚C
Installation Temp Range:	+5˚C To +50 ˚C
Suitability - Indoor:	Yes

EU Directive

EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2011-03-07

Global Standard

Telecommunications Standards:	ANSI/TIA/EIA 568 C.2 Category 6A
ISO/IEC Compliance:	11801 ed 2.1 (2008) Class EA

North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMP
NEC/(UL) Specification:	CMP

Safety

UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
C(UL) Flammability:	FT6
CSA Flammability:	FT6
Suitability - Non-Halogenated:	No

Use

Suitability - Burial:	No
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No
Max Recommended Pulling Tension:	45 lbs

Conductor DCR:

Max. Conductor DCR
8.2 Ohm/100m

Color Chart 1:

Number	Color
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Delay:

Max. Delay Description	Max. Delay Skew	Nominal Velocity of Propagation (VP)
538 @ 100MHz	45 ns/100m	64 ns/100m

Voltage:

UL Voltage Rating
300V RMS

High Freq:

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. PSNEXT	Min. PSACR	Min. ACRF (ELFEXT)	Min. PSACRF (PSELFEXT)	Min. RL (Return Loss)	Max./Min. Input Impedance (unFitted)	Max./Min. Fitted Impedance	Min. PSANEXT	Min. PSAACRF	Min. TCL	Min. ELTCTL
1 MHz	2.1 db/100m	73.3 dB	71.2 dB	70.8 dB	68.8 dB	20 dB	100 ± 15 Ohm	105 ± 10 Ohm	67 dB	81 dB	40 dB	35 dB
4 MHz	3.8 db/100m	64.3 dB	60.5 dB	58.8 dB	56.8 dB	23 dB	100 ± 15 Ohm	100 ± 15 Ohm	67 dB	81.2 dB	40 dB	23 dB
8 MHz	5.3 db/100m	59.8 dB	54.4 dB	52.7 dB	50.7 dB	24.5 dB	100 ± 15 Ohm	100 ± 15 Ohm	67 dB	75.1 dB	40 dB	16.9 dB
10 MHz	5.9 db/100m	58.3 dB	52.4 dB	50.8 dB	48.8 dB	25 dB	100 ± 15 Ohm	100 ± 15 Ohm	67 dB	73.2 dB	40 dB	15 dB
16 MHz	7.5 db/100m	55.2 dB	47.8 dB	46.7 dB	44.7 dB	25 dB	100 ± 15 Ohm	100 ± 15 Ohm	67 dB	69.1 dB	38 dB	10.9 dB
20 MHz	8.4 db/100m	53.8 dB	45.5 dB	44.8 dB	42.8 dB	25 dB	100 ± 15 Ohm	100 ± 15 Ohm	67 dB	67.2 dB	37 dB	9 dB
25 MHz	9.4 db/100m	52.3 dB	43 dB	42.8 dB	40.8 dB	25 dB	100 ± 15 Ohm	100 ± 15 Ohm	67 dB	65.2 dB	36 dB	7 dB
31.25 MHz	10.5 db/100m	50.9 dB	40.4 dB	40.9 dB	38.9 dB	25 dB	100 ± 15 Ohm	100 ± 10 Ohm	67 dB	63.3 dB	35.1 dB	
62.5 MHz	15 db/100m	46.4 dB	31.4 dB	34.9 dB	32.9 dB	25 dB	100 ± 15 Ohm	100 ± 10 Ohm	67 dB	57.3 dB	32 dB	
100 MHz	19.1 db/100m	43.3 dB	24.2 dB	30.8 dB	28.8 dB	25 dB	100 ± 15 Ohm	100 ± 10 Ohm	63.5 dB	53.2 dB	30 dB	
200 MHz	27.6 db/100m	38.8 dB	11.2 dB	24.8 dB	22.8 dB	18 dB	100 ± 22 Ohm	100 ± 10 Ohm	60.6 dB	47.2 dB	27 dB	
250 MHz	31.1 db/100m	37.3 dB	6.3 dB	22.8 dB	20.8 dB	17.3 dB	100 ± 32 Ohm	100 ± 10 Ohm	59 dB	45.2 dB	26 dB	
300 MHz	34.3 db/100m	36.1 dB	1.9 dB	21.3 dB	19.3 dB	16.8 dB	100 ± 32 Ohm	100 ± 10 Ohm	56.3 dB	43.7 dB	25.3 dB	
350 MHz	37.2 db/100m	35.1 dB	-2.1 dB	19.9 dB	17.9 dB	16.3 dB	100 ± 32 Ohm	100 ± 10 Ohm	55.3 dB	42.3 dB	24.6 dB	

400 MHz	40.1 db/100m	34.3 dB	na	18.8 dB	16.8 dB	15.9 dB	100 ± 32 Ohm	100 ± 10 Ohm	54.5 dB	41.2 dB	24 dB	
450 MHz	42.7 db/100m	33.5 dB	na	17.7 dB	15.7 dB	15.53 dB	100 ± 32 Ohm	100 ± 10 Ohm	53.7 dB	40.1 dB	23.5 dB	
500 MHz	45.3 db/100m	32.8 dB	na	16.8 dB	14.8 dB	15.2 dB	100 ± 32 Ohm	100 ± 10 Ohm	53 dB	39.2 dB	23 dB	
550 MHz	47.7 db/100m	30.2 dB	na	14.9 dB	12.9 dB	14.92 dB	100 ± 32 Ohm	100 ± 10 Ohm	52.4 dB	38.4 dB		
600 MHz	50.1 db/100m	29.6 dB	na			14.7 dB			51.8 dB	37.6 dB		
625 MHz	51.2 db/100m	29.4 dB	na			14.5 dB			51.6 dB	37.3 dB		

Capacitance:

Nominal Mutual Capacitance
17 pF/ft

Innerjacket:

Material	Ripcord
PVC - Polyvinyl Chloride	Yes

Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.01 in

Outerjacket 1:

Material	Nominal Diameter	Ripcord	Separator Material
LS PVC - Low Smoke Polyvinyl Chloride	0.295 mm	Yes	Patented X-Spline Center Member

Conductor:

AWG	Stranding	Material	No. of Pairs
23	Solid	BC - Bare Copper	4

Outershield 1:

Drainwire Material	Drainwire AWG	Drainwire ConstructionNXD

TC - Tinned Copper	26	Solid mm

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor?s inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden?s knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.