



C6-SGYXXX
 LENGTH UNIT FT
 COLOR

CHART:

P/N	X(FT)	L(MM)	TOLERANCE(MM)
C6-SGY075	75	22500	+300/-0
C6-SGY100	100	30000	+300/-0
C6-SGY200	200	60000	+500/-0
C6-SGY300	300	90000	+500/-0
C6-SGY500	500	150000	+500/-0
C6-SGY666	666	200000	+500/-0
C6-SGY1000	1000	300000	+500/-0

PIN OUT:

P1	PAIRS	P2	WIRE COLOR
1	—○—	1	WHITE/ORANGE
2	—○—	2	ORANGE
3	—○—	3	WHITE/GREEN
6	—○—	6	GREEN
5	—○—	5	WHITE/BLUE
4	—○—	4	BLUE
7	—○—	7	WHITE/BROWN
8	—○—	8	BROWN

NOTE:

1. CABLE - SPECIFICATIONS

DATATWIST (R) SIX - SOLID PATCH - BELDEN 7883A

I. DESCRIPTION NON-PLENUM:
 4 PAIR UTP (UNSHIELDED TWISTED PAIR) CABLE, 24 AWG
 SOLID BARE COPPER, POLYOLEFIN INSULATED SINGLES @
 CENTRAL SLIT-FILM FILLER, FLEXIBLE PVC JACKET.
 JACKET IS SEQUENTIALLY MARKED AT TWO FOOT INTERVALS.

II. APPLICATIONS:
 SUPPORTS CURRENT SUCH AS 100 BASE TX, 100 BASE VG
 ANYLAN, AND 155 ATM. IDEAL FOR USE IN EXISTING OR
 FUTURE HIGH BANDWIDTH APPLICATIONS SUCH AS 622 ATM
 AND GIGABIT ETHERNET.

III. PHYSICAL CHARACTERISTICS:
 TEMPERATURE RANGE: -20 TO 75 C
 INSULATION MATERIAL: POLYOLEFIN
 JACKET MATERIAL: PVC
 FILLER MATERIAL: FRPP
 MAX. PULLING TENSION: 40 LBS.
 MIN. CONDUCTOR OD: 0.020"
 MIN. INSULATION OD: 0.034"
 NOM. WEIGHT/1000 FT: 27.5 LBS.
 MIN. BEND RADIUS: 0.5"
 NOM. DIAMETER: 0.205"
 APPLICABLE SPECIFICATIONS: TIA/EIA CAT.6 DRAFT 10
 FLAME RATING AND TEST: UL TYPE CM,
 UL 1581 VERTICAL TRAY
 C(UL)TYPE CM, CSA FT1

IV. COLOR CODE:
 PAIR #1: WHITE/BLUE & BLUE
 PAIR #2: WHITE/ORANGE & ORANGE
 PAIR #3: WHITE/GREEN & GREEN
 PAIR #4: WHITE/BROWN & BROWN

V. ELECTRICAL CHARACTERISTICS:
 MAX. OPERATING VOLTAGE: 300V RMS
 NOM. CAPACITANCE @ 1 KHZ: 15 PF/FT.
 NOM. VELOCITY OF PROPAGATION: 70%

2.CONN.:P1 & P2: 8P8C PLUG, LONG BODY, SINGLE LAY, W/THREE PARTS,
 GOLD PLATED 50u".

3.ASS'Y BOOT: ø6.5mm, GRAY.

4.CABLE ASS'Y MUST PASS CONTINUITY TEST.



NET MECHANISM Corp
 www.cabling-ol.net

SCALE	NONE		REV	C
UNIT	MM			
SHEET	1/1	DWG NO.		
DATE	05/14/10			
TITLE				
CAT.6 UTP SOLID 8P8C/8P8C PLUG				
PART NO. C6-SGYXXX				