

1301 TEL 6060 UEN CRS Tin (2257)



Revision History

Part NO: C3-272-2	Price NO:
Prepared by: CXY	Date: 2018/3/27
Approved by:	Page: 1 of 1
Product Code: 1301 TEL 6060 UEN CRS Tin	

Product Description

Application:
Multi-conductor-audio, control. & Instrumentation Cables.

Reference Standard
Customer's sample spec. and the general standard

Multi-construction
4Pair

Cable Construction

1. Conductor	Tinned Copper
Construction	T0.51±0.01
2. Insulation	Foam-Skin
Insulation Dia. (Max 0.90mm)	0.85±0.05×2C Twist
Insulation Color	See the table 1
3. Mylar Spiral(25μ)	>=115%
4. AL-Pet-AL shield	>=115%
5. Braid Shield	Tinned Copper
Construction(mm)	T0.10±0.005×16×6
Coverage Area(%)	60±5%
6. Jacket	TPE-U
Thickness(mm)	0.73±0.1
Dia.(mm)	6.15±0.20
Jacket Color	Grey(RAL7001)

Marking(Ink black, Twice/meter)
IEWC Germany GmbH #2257 CA4 E478021 Cat 5e SFTP CM (UL)
24 AWG 75C Max 100V +001m.....+500m

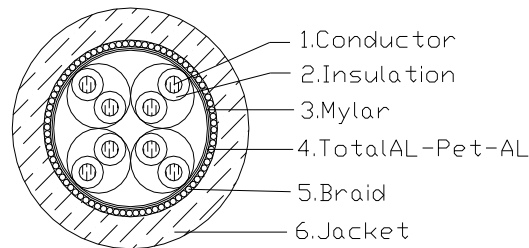
PACKAGING
500M/Wooden Drum.

Label

IEWC Germany GmbH
1-TEL 301 6060/004 Grey
500M
RoHS2(2011/65/EU)Compliant
2257 RG ???? WW/YY



Design



Electrical Characteristics

Max. Conductor DC Resistance at 20°C (Ω/Km)		<93.8
20°C Insulation Resistance(MΩ.KM)		5000
Operating Voltage(V)		100
Resistance Unbalance Max (%)		2
Resistance Screen DC Max (mΩ/m)		22.1
Rated Temperature(°C)		-20 to +75
Capacitance Mutual @ 1 kHz (pF/m) Max		56
Capacitance Unbalance @ 1kHz (pF/500m)Max		150
Capacitance Earth Unbalance @ 1kHz (pF/Km) Max		1600
Characteristic Impedance(Ω) 100 MHz		100±15
Dielectric Strength DC		
Cond-Cond.		Min 2.5 Kv 2 sec
Cond-shield		Min 2.5 Kv 2 sec
Return Loss 4 - 10 MHz		Min 20+5*log10(f/fo)
10 - 20 MHz		Min 25.00
20 - 125 MHz		Min 25-7*log10(f/fo*20)
Attenuation(dB / 100m)		
1 MHz		2.10
4 MHz		4.10
10 MHz		6.50
16 MHz		8.30
20 MHz		9.30
31.2 MHz		11.70
62.5 MHz		17.00
100 MHz		22.00
125 MHz		24.00
PSNEXT 1 - 125MHz		62.3-15*log10(f/fo)
PSELFEXT 1 - 125MHz		60.8-20*log10(f/fo)
Fire Properties		UL 1581-1080 VW1 IEC 60332-1 IEC60754-2
Amount of Acid Gas		IEC60754-2
UV Resistance		UL1581 Section 1200
Bending radius(mm)	Min	26
Pulling Fore	Max	80N

Table 1

Pair NO:	Color		Lay Length (mm)
	A	B	
1	WHITE	BLUE	
2	WHITE	ORANGE	
3	WHITE	GREEN	
4	WHITE	BROWN	