

Elite Cable

Product Part Number

- TFO2204ZXX

Product Description

- S/FTP, 22AWG solid bare copper, CAT 8, CMR
- Each pair twist with metal foil screen
- With braid wire
- UV resistant

Product Features

- High performance of transmission.
- High quality of safety property.
- Sweep frequency up to 2000 MHz.

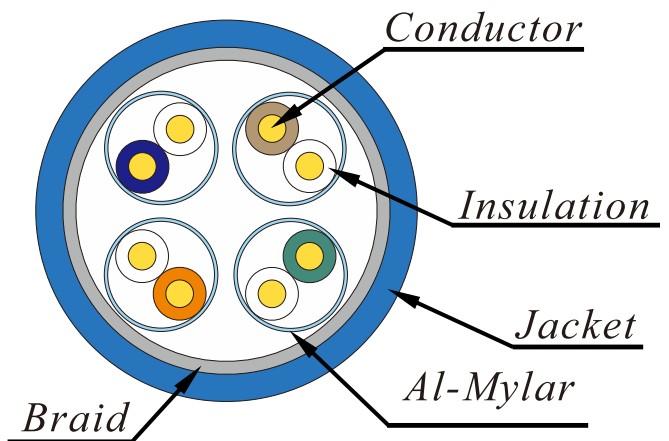
Application

- Transmission of digital and analogue for data, video, voice and audio applications.
- Metal shielded and braided providing good protection from EMI noise.
- Beyond IEEE Std 802.3bq-2016 25G/40GBASE-T and legacy speeds.
- Top-of-Rack (ToR), End-of-Row (EoR), Middle-of Row (MoR) and for data center cabling.
- CDDI / ATM / Token Ring
- IEEE 802.3af (PoE) / IEEE 802.3at (PoE+)

Applicable Standard

- Electrical Transmission
 - IEC 61156-9 Category 8.2
 - ISO/IEC 11801-1
 - ANSI/TIA-568.2-D
- Flame Test
 - UL 1666 (CMR)
- Material and Construction
 - UL 444
 - CSA 22.2 NO.214
- EU Directive 2011/65/EU & 2015/863/EU
- EU Directive 2006/95/EC (LVD)

Sectional Drawing



Establish Date	2022.04.18	Edition	1.2	Revised Date	2022.07.27
----------------	------------	---------	-----	--------------	------------

Infinity Cable Products
641 EAST WALNUT STREET
CARSON, CA 90746
TELEPHONE # 310-327-7678
EMAIL:support@infinity-cable.com

Elite Cable

Material and Construction

Conductor	Material	22AWG solid bare copper	
Insulation	Material	Foam Polyolefin (PO)	
	Color code & diameter	Blue & white	1.58± 0.03 mm
		Orange & white	1.58± 0.03 mm
		Green & white	1.58± 0.03 mm
Brown & white		1.58± 0.03 mm	
Twisted	Description	Left hand direction	
Pair shield	Material	Al Mylar tape	
	Description	100 % coverage and aluminum side facing out	
Assembly	Description	Left hand direction	
Braid	Material	Tinned copper	
	Description	> 40 % coverage	
Jacket	Material	Flame retardant polyvinyl chloride (FRPVC)	
	Diameter	8.60 ± 0.25 mm	
	Thickness	0.50 ± 0.05 mm	
	Color	Per customer's request	
Marking	ELITE 40GS CAT 8---E142890 S/FTP 22AWG 4PR 75C C(UL)US CMR---UV RES FT4 ETL VERIFIED IEC 61156-9 & TIA-568. 2-D mmyy XXXXFT Note 1: mmyy is date code.		

Usage & Environmental Condition

Temperature range	Storage & shipping	-20°C to 75°C
	Installation	0°C to 60°C
	Operation	-20°C to 60°C
Minimum bending radius	≥ 8 times of overall diameter	
Maximum pulling tension	≤ 110 N	

Elite Cable

Physical & Electrical Characteristics (at 20°C)

Voltage and Temperature rating	300V / 75°C
Spark test	2.5 KV DC
AC leakage current through overall jacket	≤ 10mA (1.5KV AC)
Cable cold bend	-20°C for 4 hr
Conductor DC resistance	≤ 2.1 Ω/30m
Resistance unbalance (Within a pair)	≤ 2%
Dielectric strength	1.7 KV ac for 2 s
Insulation resistance	≥ 5000 MΩ · km
Mutual capacitance	not specified
Capacitance unbalance pair-to-ground	≤ 36 pF/30m
Nominal Velocity of Propagation	73%

Transmission Performance (at 20°C)

Frequency (MHz)	IL	NEXT	PS.NEXT	ACRF	PS.ACRF	RL	Propagation Delay	Delay Skew	PS. ANEXT	PS. AACRF
	Max. dB/30m	Min. dB/30m	Min. dB/30m	Min. dB/30m	Min. dB/30m	Min. dB/30m	Max. ns/30m	Max. ns/30m	Min. dB/30m	Min. dB/30m
4	1.12	78	75	78	75	23.0	165.6	7.5	80.0	80.0
8	1.57	78	75	78	75	24.5	164.0		80.0	80.0
10	1.75	78	75	78	75	25.0	163.6		80.0	80.0
16	2.20	78	75	76.5	73.5	25.0	162.9		80.0	78.1
20	2.46	78	75	74.6	71.6	25.0	162.6		80.0	76.2
25	2.75	78	75	72.6	69.6	25.0	162.4		80.0	74.2
31.25	3.08	78	75	70.7	67.7	25.0	162.1		80.0	72.3
62.5	4.37	78	75	64.7	61.7	23.6	161.6		80.0	66.3
100	5.56	75.4	72.4	60.6	57.6	22.2	161.3		80.0	62.2
200	7.94	70.9	67.9	54.6	51.6	20.1	161.0		80.0	56.2
250	8.92	69.4	66.4	52.6	49.6	19.4	160.9		80.0	54.2
300	9.81	68.2	65.2	51.1	48.1	18.9	160.8		80.0	52.7
400	11.40	66.4	63.4	48.6	45.6	18.0	160.7		78.5	50.2
500	12.83	64.9	61.9	46.6	43.6	17.3	160.7		77.0	48.2
600	14.13	63.7	60.7	45.0	42.0	16.8	160.6		75.8	46.6
1000	18.56	60.4	57.4	40.6	37.6	15.2	160.5		72.5	42.2
1500	23.17	57.8	54.8	37.1	34.1	14.0	160.5	69.9	38.7	
2000	27.15	55.9	52.9	34.6	31.6	13.1	160.4	68.0	36.2	

Elite Cable

Shipping Information

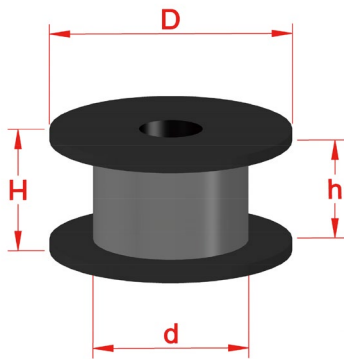
Item	Dimension	Nominal net weight
Cable	76.3 m (250FT)	5.70 kg (12.56 lb)
Plastic reel	D356 x d203 x H194 x h160 mm	1.0 kg
Pallet	1100 x1150 x110 mm	14.1 kg

Container type	Capacity of pallet	Pallet of reel	Capacity of reel
20 feet	20	45/36	810
40 feet	40	45/36	1620
40 feet (HQ)	40	45/45	1800

Shipping could use standard delivery form or per customer's request.
 Package information above is calculated by maximum container capacity, and for reference only.
 All shipments must follow your local transportation regulation for gross weight limit.

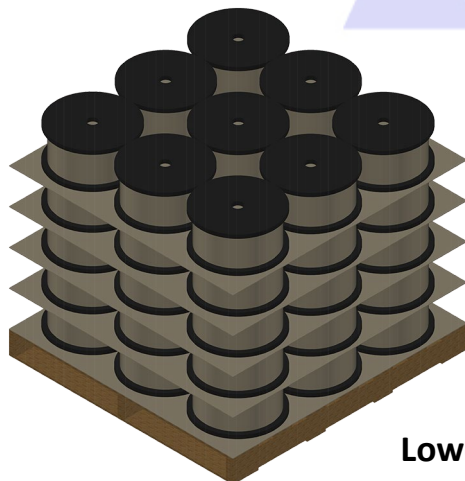
Schematic Drawing of Reel & Package

Plastic reel.

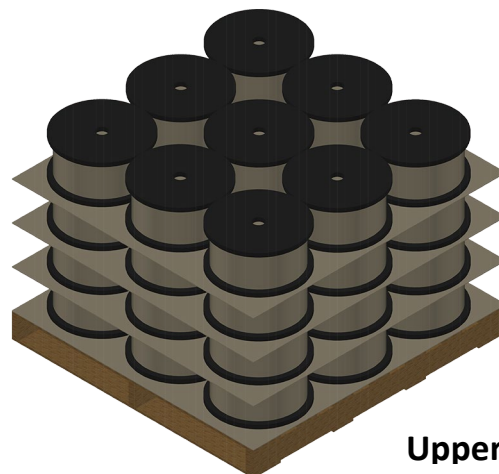


Schematic Drawing of Package

Each package of pallet delivered with plastic wrap and packing strap.



Lower Pallet
Upper Pallet(HQ)
Lower Pallet(HQ)



Upper Pallet

AK001 / 210×297 / 1.1

Revised Information

Edition	Revised Description	Revised Date
1.1	Revised the Product Part Number and revised M to FEET on printing.	2022.06.15
1.2	Add Voltage rating	2022.07.27