

# DATASHEET

## Utendørs Pre.Terminert kabel Kat.6 UTP 30 meter

### Description

Category 6 unshielded PE External patch cord range exceeds the transmission line performance requirements of IEC and TIA for CLASS E/Category 6 systems. The patch cords are designed for mechanical and electrical reliability, using quality materials and processes, to provide a patch cord solution which delivers a consistent high level of systems performance whilst incorporating design features that allow a “one style fits all” cord application. The PE jacket cable allows the cords to be deployed even outer door environment.

### Applications

- Category 6 - TIA 568.2-D, ISO/IEC 11801-1, TIA TSB-5021
- IEC 60603-7
- REACH / SVHC compliant regulation (EC) Latest version
- ANSI/TIA 1096-A (formely FCC Part 68-F)
- Operating temperature Max. 70°C - Min -40°C



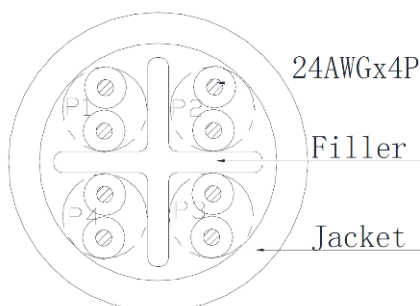
### 1.Scope:

The specification established a description for a HDPE insulation and LDPE jacket cab

### 2.Design and Construction Data

Item	Description	
Conductor	No. of pair	4
	Material	Bare copper wire
	Construction	7/0.18±0.008
Insulation	Material	HDPE UV-beständig, 2% Carbon Black
	Nom. Thicknes	0.14
	Nom. O.D.:	0.90±0.05
	Color	Per cross-section
Filler	Material	YES
	Size	/
Jacket	Material	LDPE
	Nom. Thicknes	0.60
	Nom. O.D.:	5.90±0.20
	Color	Black
Marking	CAT.6 UTP 24AWG 4PR ANSI/TIA-568.2-D PATCH CORD	
	Color	White
	Remark	Laser light Panit Word

### 3.Cross-section



24AWGx4P

- P1:Blue-White/Blue
- P2:Orange-White/Orange
- P3:Green-White/Green
- P4:Brown-White/Brown

Filler

Jacket

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4. Physical and Electrical Performance	
Item	Requirement
Spark test for insulation (DC) kv	2.50
Conductor resistance max at 20°C ohm/km	140.00
Characteristic impedance ohm	100(nom)
Propagation delay skew ns/100m	45

5. Data transmission performance						
Frequency	RL	NEXT	PSNEXT	ELFEXT	PSELFEXT	Delay
1	20	74.3	72.3	67.8	64.8	570
4	23	65.3	63.3	55.8	52.8	552
8	24.5	60.8	58.8	49.7	46.7	547
10	25	59.3	57.3	47.8	44.8	545
16	25	56.2	54.2	43.7	40.7	543
20	25	54.8	52.8	41.8	38.8	542
25	24.2	53.3	51.3	39.8	36.8	541
31.25	23.3	51.9	49.9	37.9	34.9	540
62.5	20.7	47.4	45.4	31.9	28.9	539
100	19	44.3	42.3	27.8	24.8	538
200	16.4	39.8	37.8	21.8	18.8	537
250	15.6	38.3	36.3	19.8	16.8	536

### 6. Remark:

The unit of the dimension is mm unless specified in the specification.  
 The cross section do not represent the actual size for your information.

<b>TRI WIRE SCIENTIFIC CO., LTD</b>		Customer: C139	
Spec. No.	Q-2020080037	P/N:	L60341
Issue Date	14.08.2020	Title	UTP Cat 6 Patch Cable
Version	0	Construction	26AWGX4P
Edited		Checked	
Approved		Approved	

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