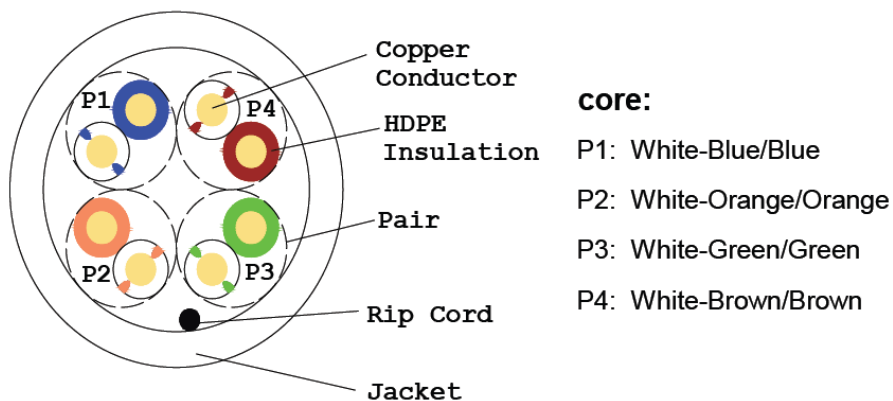


Nominal Transmission Characteristics								
Frequence	RL	IL	DOP	SKEW	NEXT	PSNEXT	ACR-F	PSACR-F
(MHz)	(dB)	(dB/100M)	(ns)	(ns)	(dB)	(dB)	(dB)	(dB)
1	20.0	2.2	570	45	65	62	61	61
4	23.0	4.2	552	45	56	53	48	48
10	25.0	6.5	545	45	50	47	41	41
16	25.0	8.4	543	45	47	44	36	36
20	25.0	9.3	542	45	45	42	34	34
31.25	23.6	11.6	540	45	42	39	31	31
62.5	21.5	17.0	538	45	38	35	25	25
100	20.1	22.0	537	45	35	32	21	21

**Note: The above transmission performance for the 100M, 20 ± 2 °C under the conditions tested**

PRODUCT DATA SHEET			
Type	U/UTP CAT5E 4*2*24AWG PVC		
Structure	Structure A		
Conductors	Structure AWG	AWG	24# (1/24)
	Material	----	Solid Bare Copper
	Diameter	mm	Ø 0.50+/-0.008
Insulation	Material	----	HDPE
	Diameter	mm	Ø 0.90+/-0.05
	Average Thickness	mm	0.20+/-0.05
Shielding1	Type	----	----
Assimby	Direction	----	S
	No. of Insulations	Pair	4
Shielding2	Material	----	----
Shielding3	Shield	----	----
Jacket	Material	----	GRAY PVC
	Diameter	mm	Ø 5.1+/-0.2
	Average Thickness	mm	0.5+/-0.1
	Flame Rate	----	CMX/CM/CMR

Construction:



Mechanical Characteristics	
1. Cable under the minimum tension	≥400N
2. Conductor elongation	≥15%
Tensile Strength	≥13.5%
Elongation	≥150%
3. Jacket After Aging	
Tensile Strength	≥12.5Mpa
Elongation	≥125%

Electrical Characteristics	
1. Impedance:	1-100MHz 100±15 (Ohms)
2. Rated Temperature:	75°C
3. DC Resistance Unbalance(%):	Max 2.5
4. DC Resistance 20°C:	100(Ohms/Km)
5. Pair-to-Ground Capacitance Unbalance:	330(pF/100M)
6. Insulation Resistance:	>5000MΩ*Km
7. Dielectric strength:	DC 2500V 2S

APPROVED	CHECKED	DRAWN	CUSTOMER:	
			ITEM NO.	TP-40
			DRAW NO.	
			UNIT	mm
			SCALE	NONE

DESCRIPTION:	
U/UTP CAT5E INSTALLATION CABLE 100m (GRAY)	

