

FEATURES:

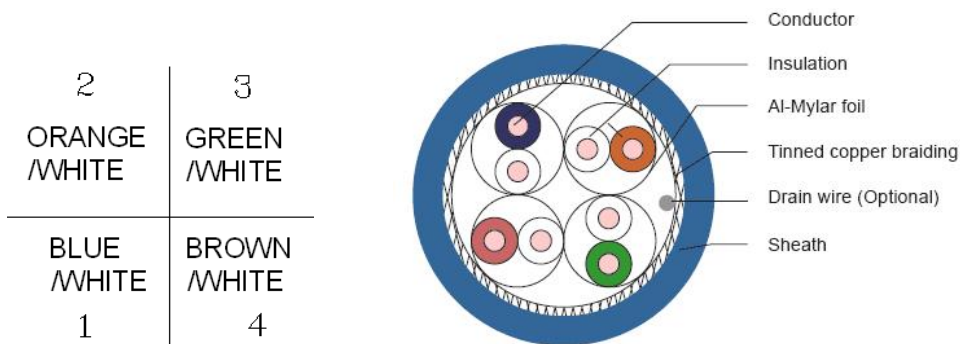
compliant with category 6 requirements as per ANSI/TIA/EIA, ISO/IEC, and CENELEC EN standards:

- ANSI/TIA/EIA 568-C.2-1
- ISO/IEC 11801 CLASS E, 2nd Edition
- IEC 61156-6
- CENELEC EN 50173-1
- CENELEC EN 50288-5-1,
- CENELEC EN50288-5-2
- Flame retardancy according to IEC 60332-1-2
- ETL verified to ANSI/TIA-568-B.2-1 Cat 6 permanent link
- RoHS compliant



CHARACTERISTICS:

Conductor	Material	Bare Copper	
	Construction	23AWG	
Insulation	Material	Foam-Skin PE	
	Diameter	Nominal 1.387 ± 0.05 mm	
Inner-Shield	Aluminum-Mylar	An aluminum foil screen around each pair	
Braiding	Material	Tinned Copper	
Sheath	Material	PVC	LSOH
	Diameter	7.2 ± 0.3 mm	7.2 ± 0.3 mm



APPLICATIONS:

- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

ELECTRICAL PERFORMANCE:

Impedance	64kHz	125Ω± 20%
	1~300MHz	100Ω± 15%
	300~450MHz	100Ω± 25%

TIA
 Typical

Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PS NEXT (dB)		ACR (dB)		PSACR (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	N	T	N	T	N	T	N	T	N	T	N	T	N	T
1.0	2.1	1.8	74.3	87.3	72.3	85.3	72.2	85.5	70.2	83.5	67.8	84.8	64.8	79.8	20.0	29.0
4.0	3.8	3.5	65.3	78.3	63.3	76.3	61.4	74.8	59.4	72.8	55.8	72.8	52.8	67.8	23.0	32.0
10.0	6.0	5.6	59.3	72.3	57.3	70.3	53.3	66.7	51.3	64.7	47.8	64.8	44.8	59.8	25.0	38.0
16.0	7.6	7.1	56.2	69.2	54.2	67.2	48.6	62.1	46.6	60.1	43.7	60.7	40.7	55.7	25.0	34.0
20.0	8.5	7.9	54.8	67.8	52.8	65.8	46.2	59.9	44.2	57.9	41.8	58.8	38.8	53.8	25.0	34.0
31.25	10.8	10.0	51.9	64.9	49.9	62.9	41.1	54.9	39.1	52.9	37.9	54.9	34.9	49.9	23.6	32.0
62.5	15.5	14.4	47.4	60.4	45.4	58.4	31.9	46.0	29.9	44.0	31.9	48.9	28.9	43.9	21.5	32.0
100.0	19.9	18.6	44.3	57.3	42.3	55.3	24.4	38.7	22.4	36.7	27.8	44.8	24.8	39.8	20.1	32.0
160.0	25.8	24.1	41.2	54.2	39.2	52.2	15.5	30.1	13.5	28.1	23.7	40.7	20.	35.7	18.7	31.0
200.0	29.0	26.8	39.8	52.8	37.8	50.8	10.6	26.0	8.6	24.0	21.8	38.8	18.8	33.8	18.0	29.0
250.0	33.0	30.5	38.3	51.3	36.3	49.3	5.3	20.8	3.3	18.8	19.8	37.0	16.8	31.8	17.3	29.0
300.0*	36.4	33.7	37.2	50.0	35.2	48.1	0.8	16.3	-	14.4	18.3	36.0	15.3	30.0	16.8	27.0
450.0*	46.0	43.3	34.5	48.5	32.5	45.3	-	5.2	-	2.0	14.8	30.0	11.8	25.0	15.6	24.0

*Values for frequencies above industry requirements are for information only

ORDERING INFORMATION:

Part No.	20644xy25		
Description	Premium Line category 6 S/FTP Installation cable, grey		
x: sheath	1: PVC	2: LSOH	
y: length	1: 305m	2: 500m	3: 1000m
Packing	305m/reel	40(O.D) x 24(H) cm, Weight	N.W. 16.9KG, G.W. 17.7KG
	500m/reel	50(O.D) x 31(H) cm, Weight	N.W.26.75KG, G.W. 28.25KG
	1000m/reel	50(O.D) x 46(H) cm, Weight	N.W.53.50KG, G.W. 58.50KG

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