

**FEATURES:**

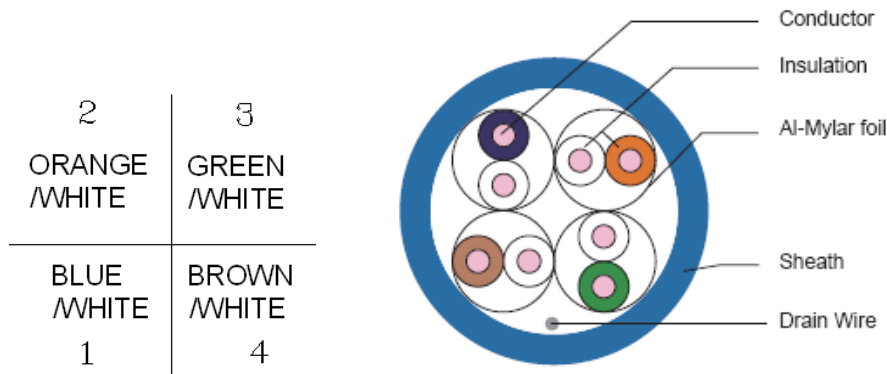
compliant with category 6 requirements and standards:

- ANSI/TIA-568-C.2
- ISO/IEC 11801 ED.2
- CENELEC EN 50173-1
- CENELEC EN 50288-5-1
- Flame retardancy according to IEC 60332-1-2
- RoHS compliant



**CONFIGURATION:**

Conductor	Material	Bare Copper	
	Construction	1/0.56 ± 0.02 mm / 23 AWG	
Insulation	Material	Foam-Skin PE	
	Diameter	Nominal : 1.387 mm	
Inner-Shield	Aluminum-Mylar	An aluminum foil screen around each pair with insulation on inside surface	
Drain Wire	Material/Size	Stranded Tinned Copper / 26AWG	
Sheath	Material	PVC	LSOH
	Diameter	Nominal: 7.3 mm	Nominal: 7.3 mm



**APPLICATIONS:**

- 1000BASE-TX Gigabit Ethernet, 100BASE-Tx Fast Ethernet, 10BASE-T Ethernet, Voice

*Premium Line Systems GmbH reserves the right to change specifications without prior notice.*

**ELECTRICAL PERFORMANCE:**

Impedance	64kHz	125Ω± 20%
	1~300MHz	100Ω± 15%
	300~1000MHz	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. 20664xy25  
 Description Premium Line category 6 U/FTP Installation cable, grey, reel  
 x: sheath 1: PVC 2: LSOH  
 y: length 1: 305m 2: 500m 3: 1000m

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