

FEATURES:

Compliant with Cat.7A requirements as :

- ISO/IEC 11801-1:2017
- IEC61156-5 (Edition 2.1)
- IEC61156-7 (Edition 1.1)
- EN50173-1:2011
- EN 50288-9-1:2012

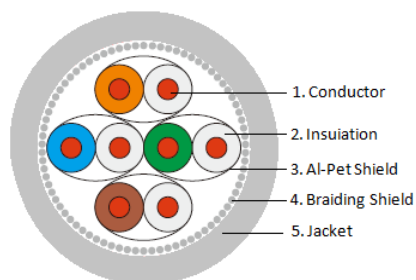


Compliant with safety standard as:

- IEC 60332-1-2:2004
- IEC 60332-3-24:2009(can be supplied according to the requirements)
- IEC 60754-2:2011(Edition 2.0)
- IEC 61034-1 / 61034-2:2013
- RoHS compliant (EU Directive 2011/65/EC)

CONFIGURATION:

Conductor	Material	Bare Copper
	Construction	22AWG
Insulation	Material	Foam-Skin PE
	Diameter	1.43 ± 0.10 mm
Inner-Shield	Aluminum-Mylar	Al-PET foil screen around each pair
Braid	Material	Tinned Copper
Sheath	Material	LSOH
	Diameter	7.8 ±0.2mm
Operation Temperature		-20°C~+60°C
Installation Temperature		0°C~+50°C
Storage Temperature		-30°C~+60°C



2	3
ORANGE /WHITE	GREEN /WHITE
BLUE /WHITE	BROWN /WHITE
1	4

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

APPLICATION:

- 10G BASE-T Ethernet, Analog and VOIP, IP camera, IP TV

ELECTRICAL PERFORMANCE:

Impedance	1~100MHz	100Ω± 15%
	100~250MHZ	100Ω± 20%
	250~500MHZ	100Ω± 25%
	500~1000MHZ	100Ω± 30%
	1000~1200MHZ	100Ω± 32%

IEC61156-7 Typical

Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PSNEXT (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)		ACR (dB)	PSACR (dB)
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Typ.	Typ.
1	1.9	1.7	78.0	91.8	75.0	88.5	78.0	92.4	75.0	89.8	20.0	30.0	98.3	95.3
4	3.5	3.4	78.0	95.5	75.0	93.5	78.0	88.9	75.0	92.0	23.0	28.5	96.6	93.6
10	5.4	5.0	78.0	100.4	75.0	97.0	74.0	94.5	71.0	97.9	25.0	33.6	95.0	92.0
16	6.8	6.4	78.0	99.0	75.0	96.9	69.9	93.3	66.9	93.2	25.0	34.0	93.6	90.6
20	7.6	6.7	78.0	99.3	75.0	97.9	68.0	91.9	65.0	92.7	25.0	34.9	92.9	89.9
31.25	9.6	9.0	78.0	99.7	75.0	97.0	64.1	90.1	61.1	91.3	23.6	35.0	91.0	88.0
62.5	13.7	12.3	78.0	101.3	75.0	97.0	58.1	89.7	55.1	89.4	21.5	31.5	87.0	84.0
100	17.5	16.8	76.0	100.5	73.0	98.2	54.0	83.4	51.0	87.9	20.1	30.1	81.2	78.2
200	25.3	23.9	71.5	99.5	68.5	97.7	48.0	88.7	45.0	86.8	18.0	28.9	69.1	66.1
250	28.5	27.8	70.0	98.9	67.0	97.2	46.0	88.5	43.0	86.2	17.3	27.3	63.6	60.6
300	31.5	29.7	68.8	97.4	65.8	97.0	44.5	83.3	41.5	79.5	17.3	28.9	61.8	58.8
400	36.9	33.9	67.0	97.1	64.0	95.1	42.0	80.1	39.0	76.1	17.3	27.3	55.7	52.7
550	44.1	39.2	64.9	96.8	61.9	94.9	39.2	75.7	36.2	74.9	17.3	27.0	50.1	47.1
600	46.3	43.6	64.3	90.0	61.3	88.6	38.4	67.0	35.4	68.4	17.3	27.3	43.6	40.6
800	54.5	48.8	62.5	94.8	59.5	91.8	35.9	58.3	32.9	54.4	16.1	26.5	37.4	34.0
1000	62.0	57.5	61.0	92.1	58.0	90.3	34.0	50.8	31.0	48.4	15.1	24.0	35.2	33.5
1200	69.0	61.9	59.8	82.2	56.8	82.2	32.4	43.8	29.4	37.7	14.3	22.3	23.5	20.5

ORDERING INFORMATION:

Part NO.	20844xy2z
Description	Cat.7A S/FTP installation cable,1200MHz, LSOH
x, sheath	2: LSOH(IEC60332-1-2) 0: LSOH(IEC60332-3-24)
y, length	2: 500m 3: 1000m
z, color	5: grey 8: yellow 0: orange
Packing	500m reel size: 40(O.D.) x 35(H) cm; weight N.W. 28.28kgs, G.W. 30.65kgs 1000m reel size 55(O.D) x 35(H) cm; weight N.W. 57.85kgs, G.W.62.70kgs

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