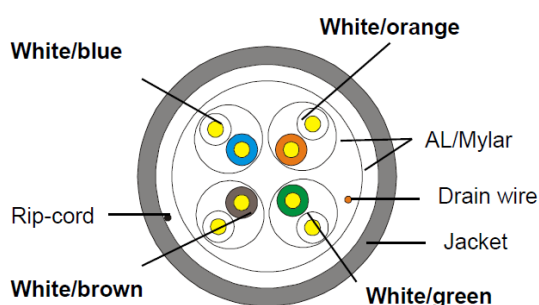


Applications

Prose CAT6A F/FTP data cables are designed for unshielded cabling system. Prose Category 6A data cables meet and exceed the requirements of ISO/IEC11801,TIA/-568-C.2. Prose provides different jacket material such as PVC (complies RoHS), CM and LSZH for different applications.

Construction

- Conductor: SOLID-Bare Copper
- Insulation: HDPE
- Insulation Diameter: 1.33 ± 0.05 mm
- Core: 4 twist pairs
- Color Code: White&Blue/Blue,White&Orange/Orange,White&Green/Green,White&Brown/Brown
- Filling: “ + ” style
- Sheath: PVC(complies RoHS),CM,LSZH
- Sheath Colour: TBD
- Normal Diameter: 7.5 ± 0.4 mm
- Packing length: 305 ± 1.5 m
- Weight : 16.5kg/305m



Permanent Performance at 20°C

Frequency (MHz)	RL (dB)	ATT (dB/100m)	NEXT (dB)	PHASE DELAY(ns)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
	Min.	Max.	Min.	Max.	Min.	Min.	Min.
1	20.0	-	74.3	570	72.3	67.8	64.8
4	23.0	3.8	65.3	552	63.3	55.8	52.8
8	24.5	5.3	60.8	547	58.8	49.7	46.7
10	25.0	5.9	59.3	545	57.3	47.8	44.8
16	25.0	7.5	56.2	543	54.2	43.7	40.7
20	25.0	8.47	54.8	542	52.8	41.8	38.8
25	24.3	9.4	53.3	541	51.3	39.8	36.8

31.25	23.6	10.5	51.9	540	49.9	37.9	34.9
62.5	21.5	15.0	47.4	539	45.4	31.9	28.9
100	20.1	19.1	44.3	538	42.3	27.8	24.8
200	18.0	27.6	39.8	537	37.8	21.8	18.8
250	17.3	31.1	38.3	536	36.3	19.8	16.8
300	16.8	34.3	37.1	536	35.1	18.3	15.3
400	15.9	40.1	35.3	536	33.3	15.8	12.8
500	15.2	45.3	33.8	536	31.8	13.8	10.8

Permanent Performance at 20°C

Impedance (1-250MHz)	100±15 Ω
Impedance (250-500MHz)	100±22 Ω
Delay Skew (1-500MHz)	≤45ns/100m
unbalanced-to-ground capacitance	≤160pf/100m
DC Resistance	≤9.38Ω/100m
DC Conductor Resistance Unbalance	≤5.0%

Mechanical Performance at 20°C

Before Aging	Tensile Strength	≥8.0 Mpa
	Elongation	≥100%
Aging Period		100°C×24h×7d°C×hrs
After Aging	Tensile Strength	≥10.0 Mpa
	Elongation	≥125%
Cold bend (-20±2°C×4h)		8×Cable O.D., No visible cracks

Ordering Information

Product Series	Category	-	Structure	Sheath	Pairs	-	Application Environment	Length+ Package	Color
CC: Copper Cable	6A:Cat6A	-	4:F/FTP	1:PVC CM 2:LSZH IEC60332-1	1: Standard	-	1: indoor 2: outdoor	1:305m/Box 2:500m/Reel 3:1000m/Reel 4:100m/Box 5: 305m Box with Reel 6: 305m/Reel	GY: Grey OR: Orange BL: Blue RD: Red GR: Green YL: Yellow WH: White PL: Purple

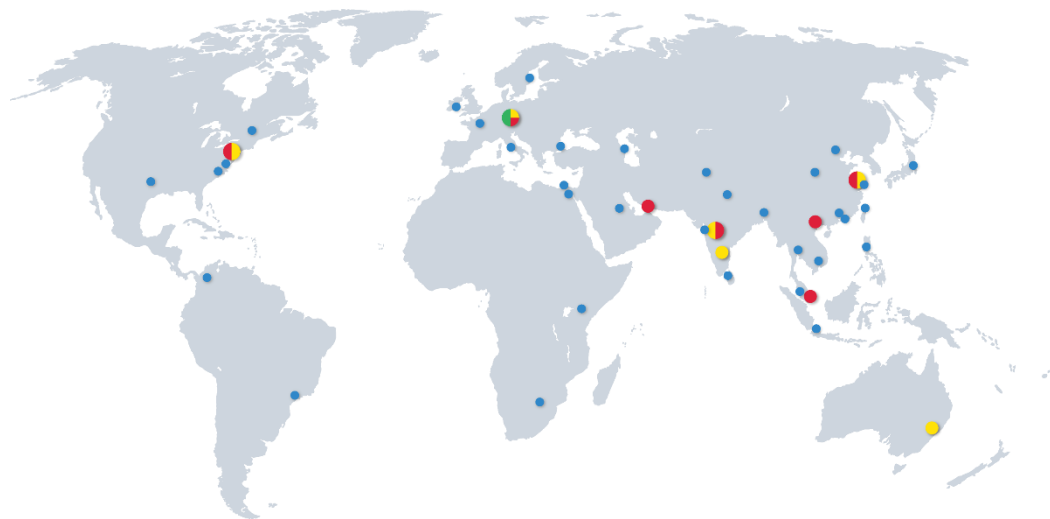
For Example:

Cat6A F/FTP Data Cable
CC6A-4X1-1XXX



Order Number	Description
CC6A-411-16BL	Cable, Cat6A, F/FTP, 23AWG, PVC CM, Blue, 305m/Reel
CC6A-411-16OR	Cable, Cat6A, F/FTP, 23AWG, LSZH, Orange, 305m/Reel

GLOBAL FOOTPRINT



Headquarters

Donauwörth - Germany
PROSE Technologies GmbH
Add.: Dr.-Friedrich-Drechsler-Straße 14, 86609
Donauwörth, Germany
E-mail: info.eu@prosetechnologies.com

Western Europe

Dublin - Ireland
PROSE Technologies (Ireland) Limited
Add.: 6th Floor, South Bank House, Barrow Street,
Dublin 4 Ireland
E-mail: Info@prosetechnologies.com

Eastern Europe & Central Asia

E-mail: info.eeca@prosetechnologies.com

North America

New Jersey - America
PROSE Technologies LLC
Add.: 550 Clark Drive Budd Lake, NJ 07828, United
States of America
Tel: +1 888 840 4066
E-mail: info.us@prosetechnologies.com

Middle East

Dubai - UAE
PROSE Technologies DMCC
Add.: 3702, Mazaya Business Avenue BB2, JLT, Dubai
Tel: +971 4 3999168
E-mail: info.ae@prosetechnologies.com

Africa

Nairobi - Kenya
PROSE Technologies Africa (PTY) Ltd
Tel: +254 780440410
E-mail: info.ke@prosetechnologies.com

Gauteng, (Johannesburg) - South Africa
PROSE Technologies Africa (PTY) Ltd
Add.: Building 20, Cambridge Office Park, 5 Bauhina
Road, Highveld Techno Park Centurion, Gauteng 0169,
South Africa
Mobile: +27 725554840
E-mail: info.za@prosetechnologies.com

South Asia

Mumbai - India
PROSE Technologies India Private Limited
Add.: 403-407, Eco Star, Vishveshwar Nagar,
Goregaon East, Mumbai, India 400063
Tel: +91 22-66453000
E-mail: info.in@prosetechnologies.com

Pune - India
PROSE Technologies India Pvt.Ltd
Add.: A-79, Block-A, Horizon Industrial Parks, Phase II,
MIDC Chakan Industrial Area, Khed, Pune, India
410501
Tel: +91 2135-635200
E-mail: info.in@prosetechnologies.com

Bangalore - India
PROSE Technologies India Private Limited
Add.: No.494 East End Main Road, Jayanagar IX Block,
Bangalore, India 560069
E-mail: info.in@prosetechnologies.com

New Delhi - India
PROSE Technologies India Pvt.Ltd
Add.: H-3/157, 2nd Floor, Vikas Puri, New Delhi, India
110018
E-mail: info.in@prosetechnologies.com

Dhaka - Bangladesh
PROSE Technologies (Bangladesh) Limited
Add.: House-360 (2nd Floor), Lane-5 (East), Baridhara
DOHS, Dhaka-1206, Bangladesh
Tel: +880 1977070130
E-mail: info.bd@prosetechnologies.com

Islamabad - Pakistan
Add.: Unit 514, 5th Floor, ISE Towers, Islamabad,
Pakistan
Tel: +92 3335357733
E-mail: info.pk@prosetechnologies.com

Sri Lanka
Tel: +880 1977070130
E-mail: info.lk@prosetechnologies.com

South East Asia

Selangor - Malaysia
PROSE Technology (M) Sdn. Bhd
Add.: Unit 2-1, Level 2, The Podium, Tower 3, UOA
Business Park, No 1, Jalan Pengaturcara U1/51a,
Seksyen U1, 40150 Shah Alam, Selangor, Malaysia
Tel: +60 126859319
E-mail: info.my@prosetechnologies.com

Bangkok - Thailand
PROSE Technology (Thailand) Co., Ltd
Add.: 349 SJ Infinite I Business Complex, 9 Floor, Room
905, Vibhavadi Rangsit Road, Chom Phon Sun-district,
Chatuchak District, Bangkok Province, Thailand
Tel: +66 80 6606630
E-mail: info.th@prosetechnologies.com

Singapore
PROSE Technologies (Singapore) Pte.Ltd
Add.: 10 Anson Road#13-15 International Plaza
Singapore 079903
Tel: +6598366793
E-mail: info.sg@prosetechnologies.com

Hanoi - Vietnam
PROSE Technologies (Vietnam) Company Limited
Add.: Floor 15, Vinaconex 9 Building, HH-2 Block,
Pham Hung Street, Me Tri Ward, Nam Tu Liem District,
Hanoi, Vietnam
Tel: +84 933086498
E-mail: info.vn@prosetechnologies.com

Taguig - Philippines
PROSE Technologies Philippines, Inc.
Add.: Unit 17 19th Floor Highstreet South Corporate
Plaza Tower 1, 26th Street corner 9th Avenue, Bonifacio
Global City, Taguig City, Philippines
Tel: +63 27572762
E-mail: info.ph@prosetechnologies.com

Jakarta - Indonesia
PT. PROSE Technologies Indonesia
Add.: Plaza Sentral 6th Floor, Jalan Jenderal Sudirman
No. 47, Jakarta 12930, Indonesia
Tel: +62 21 57901997
E-mail: info.id@prosetechnologies.com

East Asia

Suzhou - China
PROSE Technologies (Suzhou) Co.,Ltd
Add.: No. 6, Shen'an Road, DianShanHu, Suzhou,
JiangSu, China
E-mail: Info@prosetechnologies.com

Beijing - China
PROSE Technologies (Beijing) Co.,Ltd
E-mail: Info@prosetechnologies.com

Shanghai - China
PROSE Technologies (Shanghai) Co.,Ltd
E-mail: Info@prosetechnologies.com

Dongguan - China
Add.: Room 1506, building 1, No. 1, Yile Road,
Songshanhu Park, Dongguan City, Guangdong
Province, China
E-mail: Info@prosetechnologies.com

Hongkong - China
PROSE Technologies Company Limited
Add.: Unit B 13/F,Prat Commercial Building, 17-19 Prat
Avenue, Tsimshatsui, Kowloon, HongKong, China
Tel:+86 512 86896789 - 2921/2922
E-mail: info.hk@prosetechnologies.com

Taiwan
Tel: +63 2 7572762
E-mail: info.tw@prosetechnologies.com

Oceania

New South Wales - Australia
PROSE Technologies (Australia) Pty. Ltd
Add.: 5/13 Boundary Rd, Northmead, NSW 2152,
Australia
Tel: +61 2 78055523
E-mail: info.au@prosetechnologies.com