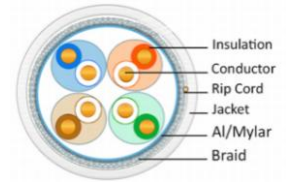


**PART NUMBER: 1588**

**SySPEED® Premium Network EtherNet/IP Cable**  
**Cat 8+ Shielded/Foil Twisted Pair (S/FTP) 4 Pair 22 AWG**  
**Riser Rated - CMR, FT4, Sunlight Resistant**



## CHARACTERISTICS

- ▶ **Conductor:** 22 AWG Solid Bare Annealed Copper
- ▶ **Insulation:** Premium Skin-Foam-Skin Polyolefin
- ▶ **Individual Shielded Pair:** Al/Mylar tape 100% with aluminum side facing outward
- ▶ **Overall Braid:** Tinned Copper 40% coverage
- ▶ **Rip Cord:** Applied Longitudinally Under Jacket
- ▶ **Jacket:** Premium PVC (*Flame-Retardant, Sun Resistant & RoHS Compliant*)
- ▶ **Nominal Cable Diameter (in):** 0.322
- ▶ **Temperature Rating (°F):**  
Installation: +32 to +140  
Storage & Operation: -4 to +167
- ▶ **Operating Voltage:** 300V Max

### Conductor Color Code

- Pair 1:** Blue - White/Blue
- Pair 2:** Orange - White/Orange
- Pair 3:** Green - White/Green
- Pair 4:** Brown - White/Brown

## FEATURES & BENEFITS

- ▶ High transmission performance for applications that requires Optimum Cat 7A performance with flexibility for the future
- ▶ Braided and metal shielded providing excellent protection from EMI noise
- ▶ High quality of safety property
- ▶ Sweep frequency up to 1000 MHz
- ▶ RhinoPac® packaging prevents cable tangling, crushing, and water damage
- ▶ Third-party verified for guaranteed performance and RoHS compliance
- ▶ Free from restricted metals and hazardous compounds. Check our green leaf label for more information
- ▶ Combines indoor/outdoor applications into one product. Complies with UL 1581 sunlight resistance requirement for outdoor installations (*Do not use as a substitute for Underground Direct Burial Cables*)



## APPLICATIONS

Transmission of digital and analogue for data, video, voice and audio applications, Beyond IEEE 802.3an 10GBASE-T and legacy speeds, Top-of-Rack (ToR), End-of-Row(EoR), Middle-of-Row(MoR) and for data center cabling , CDDI /ATM / Token Ring, IEEE 802.3af (PoE)/IEEE 802.at(PoE++)

## STANDARD COMPLIANCES

- ▶ ANSI/TIA 568.2-D
- ▶ ISO/IEC 11801
- ▶ IEC 61556-9
- ▶ NEC / CEC Type CMR (UL 1666) for Riser
- ▶ RoHS 3 (EU 2015/863)
- ▶ UL 444
- ▶ ASTM B-3

## CERTIFICATIONS



UL and/or ETL certified, or tested by other agencies  
 ISO 9001: 2015, ISO 14001: 2015, OHSAS 18001

## ELECTRICAL PERFORMANCE

Temperature & voltage rating (@ 20 °C/68°F)		Max DC Resistance (Ω/100m @ 68°F)		Min insulation resistance (MΩ · m)		Max Capacitance unbalance pair-to-ground(pF/100m)		Max Delay Skew (ns/100m)		Cable cold bend	
75 °C/300V		9.38		5000		160		25		-20°C for 4 hr	
Frequency (MHz)	Insertion Loss (Maximum dB/100m)	NEXT (Minimum dB/100m)	PSNEXT (Minimum dB/100m)	ACFR (Minimum dB/100m)	PSACFR (Minimum dB/100m)	Return Loss (Minimum dB/100m)	Propagation Delay (Minimum ns/100m)	PSANEXT (Minimum dB/100m)	PSAACFR (Minimum dB/100m)		
4	1.12	78.00	75.00	78.00	75.00	23.00	165.60	80.00	80.00		
8	1.57	78.00	75.00	78.00	75.00	24.50	164.00	80.00	80.00		
10	1.75	78.00	75.00	78.00	75.00	25.00	163.60	80.00	80.00		
16	2.20	78.00	75.00	76.50	43.50	25.00	162.90	80.00	80.00	78.10	
20	2.46	78.00	75.00	74.60	71.60	25.00	162.60	80.00	80.00	76.20	
25	2.75	78.00	75.00	72.60	69.60	25.00	162.40	80.00	80.00	74.20	
31.25	3.08	78.00	75.00	70.70	67.70	25.00	162.10	80.00	80.00	72.30	
62.5	4.37	78.00	75.00	64.70	61.70	23.60	161.60	80.00	80.00	66.30	
100	5.56	75.40	72.40	60.60	57.60	22.20	161.30	80.00	80.00	62.20	
200	7.94	70.90	67.90	54.60	51.60	20.10	161.00	80.00	80.00	56.20	
250	8.92	69.40	66.40	52.60	49.60	19.40	160.90	80.00	80.00	54.20	
300	9.81	68.20	65.20	51.10	48.10	18.90	160.80	80.00	80.00	52.70	
400	11.40	66.40	63.40	48.60	45.60	18.00	160.70	78.50	80.00	50.20	
500	12.83	64.90	61.90	46.60	43.60	17.30	160.70	77.00	80.00	48.20	
600	14.13	63.70	60.70	45.00	42.00	16.80	160.60	75.80	80.00	46.60	
1000	18.56	60.40	57.40	40.60	37.60	15.20	160.50	72.50	80.00	42.20	
1500	23.17	57.80	54.80	37.10	34.10	14.00	160.50	69.90	80.00	38.70	
2000	27.15	55.90	52.90	34.60	31.60	13.10	160.40	68.00	80.00	36.20	

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