Gen*SPEED*® 6 MAX
Extended Reach Guide

GenSPEED®
EFFICIENCMAX®

Prysmian's Gen*SPEED*® EfficienCMAX® "MAX" Copper Category Cables stand out in the market due to their unique features. Designed to meet the growing demand for Power-over-Ethernet (PoE) and improved performance in high-temperature environments, the MAX cable offers a larger gauge size (22 AWG compared to the standard 24 AWG) and an LP Listing of 0.7A, making it the most versatile CAT6 cable available.

The MAX cable is available in a wide variety of colors, packaging options, and constructions, providing numerous customization possibilities. It is ideal for applications such as building automation, wireless access points, and security devices, including cameras and access controls.

Advantages of Gen*SPEED*® MAX

- Supports Type 4 Power over Ethernet (PoE) for WiFi, laptops, and 8K cameras.
- Cost-effective for projects: reduces equipment, installation, and maintenance expenses.
- Extended reach tests are pre-loaded on Fluke and Softing testers.
- Covered by a 25-Year GenAssurance™ MAX Warranty (documentation required).
- Outperforms competitors in direct testing comparisons.
- MAX Plenum can operate at temperatures up to 105°C

COMPETITOR PART NUMBER CROSS-REFERENCE

CATEGORY 6 PLENUM

PRYSMIAN PN	DESCRIPTION	COLOR	PACKAGING	GAMECHANGER PN
8131800	Category 6 CMP 22 AWG	Blue	Pull-Pac®	258300336
8131801	Category 6 CMP 22 AWG	White	Pull-Pac®	258300310

CATEGORY 6 ARMORED PLENUM

PRYSMIAN PN	DESCRIPTION	COLOR	PACKAGING	GAMECHANGER PN
9131860	Category 6 CMP in Interlock Armored	Blue	Spool	N/A

CATEGORY 6 OUTSIDE PLANT

PRYSMIAN PN	DESCRIPTION	COLOR	PACKAGING	GAMECHANGER PN
8146100	Category 6 Outside Plant	Black	Spool	258330804

CATEGORY 6 RISER UV RES

PRYSMIAN PN	DESCRIPTION	COLOR	PACKAGING	GAMECHANGER PN
8133862	Category 6 MAX CMR	Yellow	Spool	258310333

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TLC-0003-0225

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GENSPEED® MAX PART NUMBERS

	BLUE	WHITE	GRAY	YELLOW	ORANGE	GREEN	PURPLE	RED	BLACK
CMP PULLPAC	8131800	8131801	8131803	8131802	8131805	8131806	8131809	8131804	8131807
CMP SPOOL	8131860	8131861	8131863	8131862	8131865	8131866	8131869	8131864	8131867
CMR SPOOL	8133860	8133861	8133863	8133862	8133865	8133866	8133869	8133864	8133867

GENSPEED® MAX PRODUCT LINE UP

Category 6 Plenum

Category 6 Outside Plant

Category 6 Armored Plenum

Category 6 Riser UV Resistant

POWER-OVER-ETHERNET (PoE) HAS VARYING POWER LEVELS

Type 1 PoE (802.3af) up to 15.4W: ex. VoIP and Cameras

Type 2 PoE (802.3at) up to 30W: ex. Video IP Phones, Alarm Systems, Heated/PTZ Cameras

Type 3/Type4 PoE (802.3bt) up to 60W/90W: ex. WiFi, Laptops, 8K Cameras

PLENUM AND OSP MAXIMUM DISTANCES

Data Speeds	PoE at Ambient Temperature				PoE at Maximum Temperature			
	TYPE 1	TYPE 2	TYPE 3	TYPE 4	TYPE 1	TYPE 2	TYPE 3	TYPE 4
10 Mbps	274 m	250 m	250 m	250 m	274 m	235 m	235 m	235 m
100 Mbps	230 m	230 m	230 m	230 m	230 m	200 m	200 m	200 m
1 Gbps	200 m	200 m	200 m	200 m	200 m	160 m	160 m	160 m

RISER AND ARMORED MAXIMUM DISTANCES

Data Speeds	PoE at Ambient Temperature				PoE at Maximum Temperature			
	TYPE 1	TYPE 2	TYPE 3	TYPE 4	TYPE 1	TYPE 2	TYPE 3	TYPE 4
10 Mbps	260 m	240 m	240 m	240 m	260 m	215 m	215 m	215 m
100 Mbps	230 m	230 m	230 m	230 m	230 m	200 m	200 m	200 m
1 Gbps	160 m	160 m	160 m	160 m	160 m	135 m	135 m	135 m

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