Xtreme-Net
Ruggedized Deepwater Ethernet Cables

Application
XtremeNet® Cables are designed for use in deep-water, subsea applications or where high-speed Ethernet data transmission is required.

Design
- These uniquely designed cables are able to maintain high-speed Ethernet data transmission while under extreme water pressure, even exceeding 10,000 PSI.
- Optional constructions with additional power conductors, shielding, synthetic strength layers or steel armor can be ordered.
- Jacket made of Falmat's specially formulated, high-temp "Xtreme" grade polyurethane with excellent abrasion and cut resistance, low coefficient of friction and good flexibility with overmold compatibility. Hot rubber mold compatible to 120C up to 90 minutes.
- Extensively tested and validated to meet industry Ethernet standard TIA/EIA-568B, with less then 2% change in values when tested to 6,000 PSI.
- Data rates of 100Mbps Fast Ethernet, 270Mbps Digital Video and up to 1Gigabit Ethernet can be achieved, as well as RS-485 and DSL rates.
- Rating: -25C to 90C, 600V. Some power wires to 1kv. (Ratings not UL listed)

Ordering Options	
	- Optional Aramid fiber layer of 1,200 lb. break strength will not increase diameter listed. Please use suffix K12 after each part number when inquiring about cables with optional aramid fiber rated for 1,200 lb. - Higher strength ratings can be ordered up to 50K lbs. - Armored versions using braided stainless steel or double served steel can be special ordered.

PART NUMBER	DATA RATE	DESCRIPTION	SHIELD	DIA. (in.)	DIA. (mm)
FM022208-01	100mb Cat5E	2pr-24AWG Data, 2C-14AWG Power	Alum/Braid	0.422	10.7
FM022208-02	100mb Cat5E	2pr-24AWG Data, 2C-14AWG Power		0.397	10.1
FM022208-03	100mb Cat5E	2pr-24AWG Data, 2C-18AWG Power	Alum/Braid	0.371	9.4
FM022208-04	100mb Cat5E	2pr-24AWG Data, 2C-18AWG Power		0.364	8.8
FM022208-05	1Gig Cat5E-6*	4pr-24AWG Data		0.440	11.2
FM022208-06	1Gig Cat5E-6*	4pr-24AWG Data	Alum/Braid	0.462	17.7
FM022208-07	1Gig Cat6^	4pr-23AWG Data		0.472	12.0
FM022208-08	1Gig Cat6^	4pr-23AWG Data	Alum/Braid	0.495	12.6
FM022208-09	1Gig Cat6^	4pr-23AWG Data 4C-22AWG Control		0.472	12.0
FM022208-10	1Gig Cat6^	4pr-23AWG Data 4C-20AWG Control		0.472	12.0
FM022208-11	1Gig Cat6^	4pr-23AWG Data 10C-20AWG Control		0.616	15.6
FM022208-12	1Gig Cat6^	4pr-23AWG Data 10C-20AWG Control	Alum/Braid	0.640	16.3
FM022208-14	1Gig Cat6^	4pr-23AWG Data 4C-18AWG Control	Alum/Braid	0.500	12.7

*100 Mb rates up to 100 mtr., 1Gig rates over shorter distances up to 50 mtr.

^ 1Gig rates up to 70 mtr. and potentially 90 mtr. lengths.

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FALMAT
CUSTOM CABLE TECHNOLOGIES