Male and Female Moulded Connectors

RJoLnxx™ Harsh-Duty DataCom Solutions

The RJ-Lnxx range of moulded connectors are available in a number of head and cable configurations to suit the majority of industrial and commercial applications. Being pre-wired and individually tested, connectivity is guaranteed on installation and also eliminates the cost, complexity and potential wiring errors associated with on-site termination. Industrial male connectors provide a robust data connection when mated to the range of RJ-Lnxx IP67 rated female receptacles, Ethernet switches, Ethernet I/O modules and closure caps.

Industrial female connectors are used where either there is limited cabinet space for female receptacles or there is a need to extend the data link in hostile environments as part of a male/female double ended connector. Again, IP67 ingress protection is assured when mated with RJ-Lnxx male connectors or closure caps.
The two principle datacoms wire maps are available as standard:
10/100 Base TX 568A – 4 pair, 8 wire – Example part number ENV**2**115M020
10/100 Base TX 568B – 4 pair, 8 wire – Example part number ENV**3**115M020
Where necessary, 'pure Ethernet' 2 pair, 4 wire connectors (Pin wiring 1,2,3,6) can be specified as an option eg. ENV1115M020, however 4 pair, 8 wire versions provide maximum data connectivity potential and are therefore strongly recommended.

In conjunction with the cable descriptions opposite, use the cable selector guide below to choose the correct cable by application

			Transmission distance		Flexible			External
Cable ref	**Description**	**Typical part no.**	**100M**	**30M**	**Applications**	**EMC**	**Oil/Dirt**	**Water, U/V**
RJCAB-**V**	FTP/Solid Conductor/ PUR Jacket	EN**V**3115M020	•			•	•	
RJCAB-**C**	FTP/Stranded Conductor/ PUR Jacket	EN**C**3115M020		•	•	•	•	
RJCAB-**D**	FTP/Stranded Conductor/ PUR Jacket	EN**D**3115M020		•	•	•	•	
RJCAB-**P**	FTP/Stranded Conductor/ PUR Jacket/Kevlar	EN**P**3115M020		•	•	•	•	•
RJCAB-**X**	UTP/Solid Conductor/ PE Jacket	EN**X**3115M020	•					•
RJCAB-**Y**	FTP/Solid Conductor/ Pe Jacket	EN**Y**3115M020	•			•		•
The following UL/CSA cables are available as an option								
RJCAB-**S**	FTP/Solid Conductor/ PUR Jacket	EN**S**3115M020	•			•	•	
RJCAB-**Q**	UTP/Stranded Conductor/ PVC Jacket	EN**Q**3115M020		•	•			

Connector Head Configurations

The RJ-Lnxx moulded connector range comprises male moulded connectors, female moulded connectors and standard RJ-45 male connectors which are available in the following configurations, with other variations available on request. The table below details the range of connector configuration available as standard, using **V** cable as an example, this being the preferred cable choice for the majority of applications.

	Length	10/100 BaseTX, 568A	10/100 BaseTX, 568B
Industrial Male – Free End	1m	ENV2105M010	ENV3105M010
	2m	ENV2105M020	ENV3105M020
	3m	ENV2105M030	ENV3105M030
	4m	ENV2105M040	ENV3105M040
	5m	ENV2105M050	ENV3105M050
Industrial Male – Industrial Male	1m	ENV2115M010	ENV3115M010
	2m	ENV2115M020	ENV3115M020
	3m	ENV2115M030	ENV3115M030
	4m	ENV2115M040	ENV3115M040
	5m	ENV2115M050	ENV3115M050
Industrial Male – Standard Male	1m	ENV2135M010	ENV3135M010
	2m	ENV2135M020	ENV3135M020
	3m	ENV2135M030	ENV3135M030
	4m	ENV2135M040	ENV3135M040
	5m	ENV2135M050	ENV3135M050
Industrial Female – Free End	1m	ENV2205M010	ENV3205M010
	2m	ENV2205M020	ENV3205M020
	3m	ENV2205M030	ENV3205M030
	4m	ENV2205M040	ENV3205M040
	5m	ENV2205M050	ENV3205M050
Industrial Female – Industrial Female	1m	ENV2225M010	ENV3225M010
	2m	ENV2225M020	ENV3225M020
	3m	ENV2225M030	ENV3225M030
	4m	ENV2225M040	ENV3225M040
	5m	ENV2225M050	ENV3225M050
Industrial Female – Industrial Male	1m	ENV2215M010	ENV3215M010
	2m	ENV2215M020	ENV3215M020
	3m	ENV2215M030	ENV3215M030
	4m	ENV2215M040	ENV3215M040
	5m	ENV2215M050	ENV3215M050

Lengths above 5 metres are available in multiples of 5m. e.g. ENV2135M100 (10M), ENV2135M250 (25m)