

Industrial Data Solutions® - Industrial Ethernet



DataTuff® Industrial Ethernet Cable Selection Guide (See Pages 18.7 – 18.11 for Product Detail.)

Part No.	Pulling Tension	Shielding		Conductor		Installation Stress Resistance†	Environmental Issues			Industrial Grade Jacket					
		Un-shielded	Shielded*	Solid	Stranded**		Oil Resistance	UV Sun-light Resistance	Gasoline Resistance	HI/LO Temp	Heavy	Upjacket	Armored	PVC	LSHN/FRNC
Category 5e															
BEB1212	–	●		●		●	●	●							●
BEB3212	–		●	●		●	●	●							●
7923A	40	●		●		●	●	●							●
7929A	35		●	●		●	●	●							●
7921A	75		●	●		●	●	●							●
11700A	40	●		●		●	●	●					●		●
121700A	40	●		●		●	●	●						●	●
7924A	40	●			●	●	●	●					●		●
7928A	40	●		●		●	●	●	●	●			●		●
7918A	35	●		●		●	●	●					●		●
7919A	25		●	●		●	●	●					●		●
Category 6															
7927A	45	●		●		●	●	●					●		●
7931A	40	●		●		●	●	●	●	●			●		●
11872A	45	●		●		●	●	●						●	●
121872A	45	●		●		●	●	●						●	●

* Shielded products are recommended for high-noise environments.
 ** Stranded products are recommended where more flexibility is needed.
 † Products with bonded-pair technology provide Installable Performance™ advantages.

Cable that Meets the Requirements of EN50170-2-2:1996 for Communications up to 12 Mbaud

	9.6	19.2	93.75	187.5	500.0	1500.0	12000.0
Baud Rate (k baud)	9.6	19.2	93.75	187.5	500.0	1500.0	12000.0
Maximum Trunk Length (m)	1200	1200	1200	1000	400	200	100

DeviceNet™ Communications Rate Table

Communi-cations Rate	Maximum Distance																			
	3082A		3082F		3082K		3083A		3084F		3084A/3085A		7895A		7896A		7897A		7900A	
	ft.	m	ft.	m	ft.	m	ft.	m	ft.	m	ft.	m	ft.	m	ft.	m	ft.	m	ft.	m
125 Kbps	1640	500	1640	500	1378	420	1640	500	328	100	328	100	984	300	1378	400	1640	500	328	100
250 Kbps	820	250	820	250	656	200	820	250	328	100	328	100	820	250	656	200	820	250	328	100
500 Kbps	328	100	328	100	328	100	328	100	328	100	328	100	328	100	328	100	328	100	328	100

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