



UDC 3500 Application Note

Ethernet / Crossover Wiring

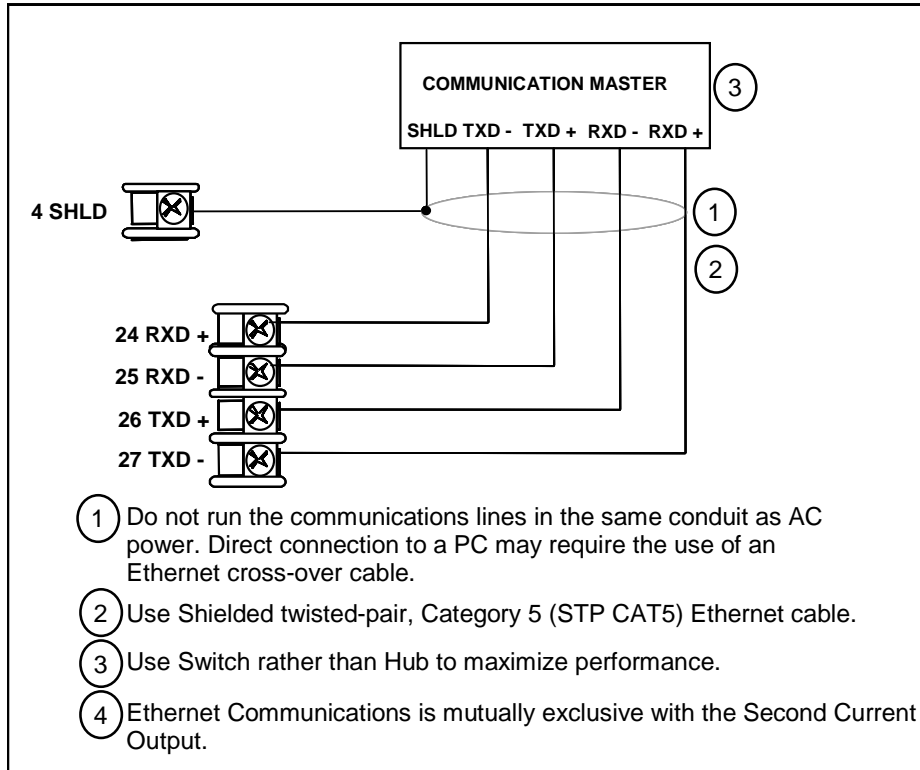


Figure -1 Ethernet Communications Option

Figure - and Table -1 shows how to connect a UDC to a MDI Compliant Hub or Switch utilizing a **straight-through cable** or for connecting a UDC to a PC utilizing a **crossover cable**.

Table -1 Terminals for connecting a UDC to a MDI Compliant Hub or Switch utilizing a cross-over cable

UDC Terminal	UDC Signal Name	RJ45 Socket Pin #	Switch Signal Name
Position 4	Shield	Shield	Shield
Position 24	RXD-	6	TXD-
Position 25	RXD+	3	TXD+
Position 26	TXD-	2	RXD-
Position 27	TXD+	1	RXD+



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Table -2 shows how to connect a UDC directly to a PC utilizing a straight-through cable (wiring the UDC cable this way makes the necessary cross-over connections)

Table -2 Terminals for connecting a UDC directly to a PC utilizing a straight-through cable

UDC Terminal	UDC Signal Name	RJ45 Socket Pin #	PC Signal Name
Position 4	Shield	Shield	Shield
Position 24	RXD-	2	TXD-
Position 25	RXD+	1	TXD+
Position 26	TXD-	6	RXD-
Position 27	TXD+	3	RXD+
