



Technical Specifications (continued)

Key Electrical Attributes – DataTwist 1200 Bonded-Pair (DT350) Cable

Frequency (MHz)	Max. Insertion Loss (dB/100 m)		Min. PSNEXT (dB)		Min. PSACR (dB)		Min. PSACRF (dB)		THE BONDED-PAIR ADVANTAGE					
	TIA	Belden	TIA	Belden	TIA	Belden	TIA	Belden	Min. Return Loss (dB)*		Min. Balance TCL (dB)*		Min. Balance ELTCTL (dB)*	
									TIA	Belden	TIA	Belden	TIA	Belden
1	2.0	2.0	62.3	69.3	60.3	67.3	60.8	65.8	20.0	20.0	-	40.0	-	35.0
4	4.1	4.0	53.3	60.3	49.2	56.3	48.8	53.8	23.0	23.0	-	40.0	-	23.0
8	5.8	5.7	48.8	55.8	43.0	50.1	42.7	47.7	24.5	24.5	-	40.0	-	16.9
10	6.5	6.4	47.3	54.3	40.8	47.9	40.8	45.8	25.0	25.0	-	40.0	-	15.0
16	8.2	8.1	44.2	51.2	36.0	43.1	36.7	41.7	25.0	25.0	-	38.0	-	10.9
20	9.3	9.1	42.8	49.8	33.5	40.7	34.8	39.8	25.0	25.0	-	37.0	-	9.0
25	10.4	10.2	41.3	48.3	30.9	38.1	32.8	37.8	24.3	25.0	-	36.0	-	7.0
31.25	11.7	11.4	39.9	46.9	28.2	35.5	30.9	35.9	23.6	25.0	-	35.1	-	-
62.5	17.0	16.4	35.4	42.4	18.4	26.0	24.9	29.9	21.5	25.0	-	32.0	-	-
100	22.0	21.0	32.3	39.3	10.3	18.3	20.8	25.8	20.1	25.0	-	30.0	-	-
160	-	27.0	-	36.2	-	9.9	-	21.7	-	19.0	-	28.0	-	-
200	-	30.5	-	34.8	-	3.4	-	19.8	-	19.0	-	27.0	-	-
250	-	34.4	-	32.3	-	-	-	17.8	-	18.0	-	26.0	-	-
300	-	38.0	-	28.2	-	-	-	14.3	-	18.0	-	-	-	-
350	-	41.4	-	27.2	-	-	-	12.9	-	17.0	-	-	-	-
400	-	44.6	-	26.3	-	-	-	11.8	-	17.0	-	-	-	-
450	-	47.6	-	25.6	-	-	-	10.7	-	17.0	-	-	-	-

Values above 350 MHz for engineering purposes only. The values shown are guaranteed minimum performance.
 *Belden's Bonded-Pair Cables provide improved return loss and balance performance.

Key Electrical Attributes – DataTwist 1200 Nonbonded-Pair Cable

Frequency (MHz)	Max. Insertion Loss (dB/100 m)		Min. PSNEXT (dB)		Min. PSACR (dB)		Min. PSACRF (dB)		Min. Return Loss (dB)	
	TIA	Belden	TIA	Belden	TIA	Belden	TIA	Belden	TIA	Belden
1	2.0	2.0	62.3	69.3	60.3	67.3	60.8	65.8	20.0	20.0
4	4.1	4.0	53.3	60.3	49.2	56.3	48.8	53.8	23.0	23.0
8	5.8	5.7	48.8	55.8	43.0	50.1	42.7	47.7	24.5	24.5
10	6.5	6.4	47.3	54.3	40.8	47.9	40.8	45.8	25.0	25.0
16	8.2	8.1	44.2	51.2	36.0	43.1	36.7	41.7	25.0	25.0
20	9.3	9.1	42.8	49.8	33.5	40.7	34.8	39.8	25.0	25.0
25	10.4	10.2	41.3	48.3	30.9	38.1	32.8	37.8	24.3	24.3
31.25	11.7	11.4	39.9	46.9	28.2	35.5	30.9	35.9	23.6	23.6
62.5	17.0	16.4	35.4	42.4	18.4	26.0	24.9	29.9	21.5	21.5
100	22.0	21.0	32.3	39.3	10.3	18.3	20.8	25.8	20.1	20.1
160	-	27.0	-	36.2	-	9.9	-	21.7	-	18.7
200	-	30.5	-	34.8	-	3.4	-	19.8	-	18.0
250	-	34.4	-	33.3	-	-	-	17.8	-	17.3
300	-	38.0	-	28.2	-	-	-	14.3	-	16.8
350	-	41.4	-	27.2	-	-	-	12.9	-	16.3
400	-	44.6	-	26.3	-	-	-	11.8	-	15.9
450	-	47.6	-	25.6	-	-	-	10.7	-	15.5

Values above 350 MHz for engineering purposes only. The values shown are guaranteed minimum performance.