

A

Return loss

Frequency (MHz)	4	10	16	20	31,25	62,5	100
(dB)	23	25	25	25	23,6	21,5	20,1

Near-end crosstalk attenuation

Frequency (MHz)	1	4	10	16	20	31,25	62,5	100
Typ value (dB - 100m)	80	76	70	65	63	60	55	50

B

Far-end crosstalk attenuation

Frequency (MHz)	1	4	10	16	20	31,25	62,5	100
(dB - 100m)≥	63,8	51,7	43,8	39,7	37,7	33,9	27,8	23,8

Attenuation

Frequency (MHz)	1	4	10	16	20	31,25	62,5	100
Typ. value(dB - 100m)	1,8	3,6	6,0	7,6	8,7	11	16	21
(dB - 100ft)	(0,5)	(1,1)	(1,8)	(2,3)	(2,7)	(3,4)	(4,9)	(6,4)

C

Wire LIH 1,5/2,4

Conductor resistance ≤14 Ohm/km
 Insulation resistance ≥20 MOhm*km
 Operating voltage (peak) ≤100 V
 Test voltage (wire/wire/screen rms 50Hz 1min) =1000 V

Mechanical and thermal characteristic:

Conductor material acc. to DIN EN 13602 Cu-ETP1-A...
 Screen material acc. to DIN EN 13602 Cu-ETP1-A...-B
 Insulating material acc. to DIN VDE 0819, part 103, table 2/A (HD 624,3)
 Insulating material acc. to DIN VDE 0819, part 106 (HD 624,6)
 Jacket material acc. to DIN VDE 0819 part 107 (HD 624,7)
 Flame test acc. to IEC 60332-1

UL style 21282

Application / Special feature:

PROFINet hybrid line to CAT 5 for use: flexible, occasional movement or vibration
 Halogen free and UV-resistant
 Permissible temperature range: -20°C (-4°F) up to 70°C (158°F)
 min. bending diameter allowed: multiple 20X ø, single 10X ø
 Tensile strength: ≤200 N
 Weight about: 153 Kg/km (102,5 lb/1000ft)

E

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F

	All Dimensions in mm Original Size DIN A 4		Techn. Character.			Nicht tolerierte Maßel/Free size tolerances	
				Dat.	Name	Maßstab/Scale /	HARTING RJ Industrial Kabel, Hybrid HARTING RJ Industrial cable, hybrid
			Detail.	04.11.04	Wie		
			Insp.	04.11.04	Wae		
		Stand.					
			HARTING Electronics GmbH & Co. KG D-32339 ESPELKAMP				
32378							
Mod.	Dat.	Name				Sub.	