

## Tactical CAT6A Assembly - RJ45HD

Ruggedized RJ45 Network/Data Cables



- Cat6A 10Gb/s Ethernet Cable
- IP65 Rated(when mated)
- Dual Shielded SF/UTP
- Extra flexible Abrasion resistant Outer Jacket
- All Metal Ruggedized RJ45 Connectors
- 500 MHz Bandwidth

Part Number: **X-CN424C6ASTFS - (length) - RH45HD**

Description: Cat6 Cable Assemblies

Options: **Length:** Any up to 328'

**Connector:** Heavy Duty Ruggedized 8 position RJ45

Cable Type:	Clark CN424C6ASTFS- shielded 23AWG Cat6 10Gig Tactical Network Cable (stranded conductors)	Overall Jacket: TPE
Connector Type:	RJ45HD - A super rugged all metal shielded RJ45 Plug with a chuck style strain relief	Connector AWG: 22-24

### Performance Characteristics

DCR	Max Distance	DCR Unbalance	Characteristic Impedance	Skew	Capacitance	Operating Temperature	Agency Listing
9.38 Ω/100m	100m	3%	100Ω (+/- 15)	45 ms/100m (max.)	5.6 nF/100m (mutual) 330 pF/100m (pair-to-pair ground unbalanced)	-20°C to 75°C	TIA/EIA 568.C.2 - CTA6A

Frequency (MHz)		1	4	8	10	16	20	25	31.25	62.5	100	155	200	250	300	350	400	450	500	550
Insertion Loss	max. dB/100m	2.0	3.8	5.3	5.9	7.4	8.3	9.3	10.4	14.9	19.0	23.9	27.4	30.8	34.0	37.0	39.7	42.1	44.9	47.3
Return Loss	min. dB/100m	20.0	23.6	25.4	26.0	26.0	26.0	25.5	25.0	23.5	22.5	21.6	21.0	20.5	20.1	19.8	19.5	19.2	19.0	18.8
NEXT	min. dB/100m	77.3	68.3	63.8	62.3	59.3	57.8	56.3	54.9	50.4	47.3	45.8	42.8	41.3	40.2	39.2	38.3	37.5	36.8	36.2
PS-NEXT	min. dB/100m	75.3	66.3	61.8	30.3	57.3	55.8	54.3	52.9	48.4	45.3	43.5	40.8	39.3	38.2	37.2	36.3	35.5	34.8	34.2
ELFEXT	min. dB/100m	70.8	58.7	52.7	50.8	46.7	44.7	42.8	40.9	34.8	30.8	27.0	24.7	22.8	21.2	19.9	18.7	17.7	16.8	15.9
PS-ELFEXT	min. dB/100m	67.8	55.7	49.7	47.8	43.7	41.7	39.8	37.9	31.8	27.8	23.6	21.7	19.8	18.2	16.9	15.7	14.7	13.8	12.9
ACR	min. dB/100m	75.0	64.0	57.7	55.6	50.7	48.2	45.6	42.8	32.9	24.9	21.0	18.4	13.5	9.6	5.2	1.5	-	-	-
PS-ACR	min. dB/100m	73.0	62.0	55.7	53.6	48.7	16.2	13.6	40.8	30.9	22.9	21.5	16.4	11.5	5.0	3.2	-	-	-	-

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