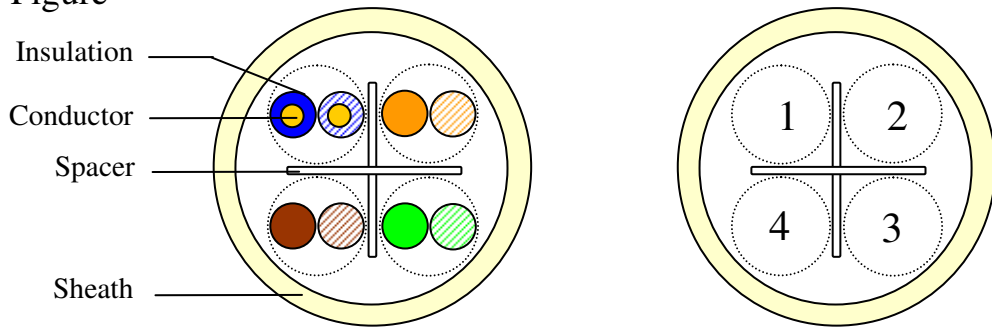


Product Specification	Subject	LAN CABLE Cat.6 UTP 23AWG × 4P Part No: OCC-U64CM-XX Part No: OCC-U64LS-XX
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Structure Figure :

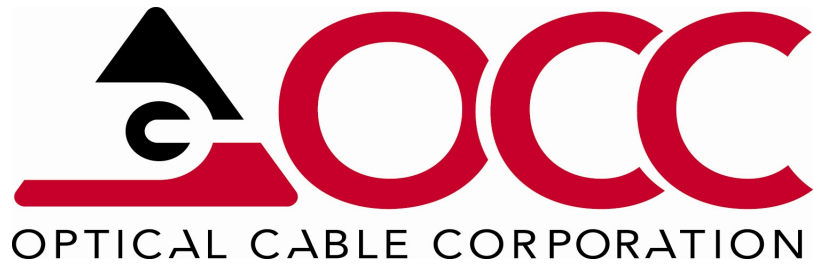


1. Wire Construction :

Pair	Wire Arrangement
1 P	Blue × White / Blue Stripe
2 P	Orange × White / Orange Stripe
3 P	Green × White / Green Stripe
4 P	Brown × White / Brown Stripe

2. Structure :

Conductor	Material	Annealed Copper
	Construction	1 / 0.565 mm
	Diameter	Approx. 0.565 mm
Insulation	Material	HDPE
	Average Thickness	Approx. 0.22 mm
	Diameter	1.0 ± 0.05 mm
Twisted		Refer to structure figure
Assembly	Arranged in accordance with the structure figure.	
Jacket	Material	PVC/LSOH
	Average Thickness	Approx. 0.5 mm
	Diameter	Approx. 6.4 mm



Product Specification	Subject	LAN CABLE Cat.6 UTP 23AWG × 4P (Part No: OCC-U64LS-08)
<p data-bbox="240 1043 536 1077">3. Electric Properties :</p> <ul data-bbox="357 1111 1155 1621" style="list-style-type: none"><li data-bbox="357 1111 911 1144">✧ Characteristic Impedance: $100 \pm 15 \Omega$<li data-bbox="357 1155 1023 1189">✧ Nominal Velocity of Propagation (NVP): 69 %<li data-bbox="357 1200 916 1234">✧ Maximum DC Resistance: $7.5\Omega/100m$<li data-bbox="357 1245 903 1279">✧ Maximum Resistance Unbalance: 3%<li data-bbox="357 1290 1050 1323">✧ Maximum Propagation Delay Skew: 30 ns/100m<li data-bbox="357 1335 1155 1368">✧ Maximum Propagation Delay: 536 ns/100m @ 100 MHz<li data-bbox="357 1379 890 1413">✧ Minimum Bending Radius: 10 x OD<li data-bbox="357 1424 799 1458">✧ Maximum Pulling Load: 80N<li data-bbox="357 1469 932 1503">✧ Installation Temperature: $-5^{\circ}\text{C} \sim +50^{\circ}\text{C}$<li data-bbox="357 1514 932 1547">✧ Operating Temperature: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$<li data-bbox="357 1559 895 1621">✧ Transmission Properties as followed:		



Product Specification	Subject	LAN CABLE Cat.6 UTP 23AWG × 4P Part No: OCC-U64CM-XX Part No: OCC-U64LS-XX
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FREQ (MHz)	NEXT (dB/100m) Minimum Value/ Typical Value/ Standard Value	IL (dB/100m)	RL (dB/100m) Minimum Value/ Typical Value/ Standard Value	ACR (dB/100m) Minimum Value/ Typical Value/ Standard Value	ELFEXT (dB/100m) Minimum Value/ Typical Value/ Standard Value	PSNEXT (dB/100m) Minimum Value/ Typical Value/ Standard Value	PSACR (dB/100m) Minimum Value/ Typical Value/ Standard Value	PSELFEXT (dB/100m) Minimum Value/ Typical Value/ Standard Value
1	77.3/87.0/74.3	2.0	20.0/21.5/20.0	75.2/85.0/72.2	68.8/80.0/67.8	75.3/85.0/72.3	73.2/83.0/70.2	65.8/70.0/64.8
4	68.3/77.0/65.3	3.8	23.0/24.7/23.0	64.4/73.0/61.4	56.8/66.0/55.8	66.3/74.0/63.3	62.5/71.0/59.5	53.8/63.0/52.8
8	63.8/72.0/60.8	5.3	24.5/25.5/24.5	58.4/67.0/55.4	50.7/61.0/49.7	61.8/70.0/58.8	56.5/65.0/53.5	47.7/58.0/46.7
10	62.3/70.0/59.3	6.0	25.0/28.0/25.0	56.3/64.0/53.3	48.8/57.0/47.8	60.3/68.0/57.3	54.3/62.0/51.3	45.8/54.0/44.8
16	59.2/66.0/56.2	7.6	25.0/28.0/25.0	51.6/59.0/48.6	44.7/52.0/43.7	57.2/64.0/54.2	49.6/57.0/46.6	41.7/49.0/40.7
20	57.8/65.0/54.8	8.5	25.0/28.0/25.0	49.3/57.0/46.3	42.8/50.0/41.8	55.8/63.0/52.8	47.3/55.0/44.3	39.8/47.0/38.8
25	56.3/63.0/53.3	9.5	24.3/27.0/24.3	46.8/54.0/43.8	40.8/47.0/39.8	54.3/61.0/51.3	44.8/52.0/41.8	37.8/44.0/36.8
31.25	54.9/61.0/51.9	10.7	23.6/26.5/23.6	44.1/51.0/41.1	38.9/45.0/37.9	52.9/59.0/49.9	42.1/49.0/39.1	35.9/42.0/34.9
62.5	50.4/57.0/47.4	15.4	21.5/24.6/21.5	34.9/42.0/31.9	32.9/38.0/31.9	48.4/55.0/45.4	32.9/40.0/29.9	29.9/35.0/28.9
100	47.3/53.0/44.3	19.8	20.1/23.7/20.1	27.4/33.0/24.4	28.8/34.0/27.8	45.3/51.0/42.3	25.4/31.0/22.4	25.8/31.0/24.8
200	42.8/48.0/39.8	29.0	18.0/22.2/18.0	13.6/21.0/10.6	22.8/27.0/21.8	40.8/46.0/37.8	11.6/19.0/8.6	19.8/24.0/18.8
250	41.3/46.0/38.3	32.8	17.3/21.6/17.3	8.3/14.0/5.3	20.8/24.0/19.8	39.3/44.0/36.3	6.3/12.0/3.3	17.8/21.0/16.8
300	37.1/45.0/37.1	36.4	16.8/20.7/16.8	0.5/11.0/0.5	18.3/23.0/18.3	35.1/43.0/35.1	-1.5/9.0/-1.5	15.3/20.0/15.3
350	36.1/44.0/36.1	39.8	16.3/20.3/16.3	-3.8/6.6/-3.8	16.9/21.0/16.9	34.1/42.0/34.1	-5.8/4.6/-5.8	13.9/18.0/13.9
400	35.3/43.0/35.3	43.0	15.9/16.8/15.9	-7.9/2.6/-7.9	15.8/20.0/15.8	33.3/41.0/33.3	-9.9/0.6/-9.9	12.8/17.0/12.8
450	34.5/42.0/34.5	46.3	15.5/16.5/15.5	-10.5/-1.1/-10.5	14.7/18.0/14.7	32.5/40.0/32.5	-12.5/-3.1/-12.5	11.7/15.0/11.7
500	33.8/41.0/33.8	48.9	15.2/16.1/15.2	-15.3/-6.2/-15.3	13.8/18.0/13.8	31.8/39.0/31.8	-17.3/-8.2/-17.3	10.8/15.0/10.8
550	33.2/41.0/33.2	51.8	14.9/15.7/14.9	-18.6/-12.0/-18.6	12.9/17.0/12.9	31.2/39.0/31.2	-20.6/-14.0/-20.6	9.9/13.0/9.9
600	32.4/33.0/32.4	54.5	14.7/15.0/14.7	-21.9/-21.0/-21.9	12.2/14.0/12.2	30.6/31.0/30.6	-23.9/-23.0/-23.9	9.2/11.0/9.2

*Data for 250MHz above are for reference only