



राष्ट्रीय फैशन प्रोद्योगिकी संस्थान, गांधीनगर

National Institute of Fashion Technology, Gandhinagar

(निफ्ट अधिनियम (भारत सरकार, वस्त्र मंत्रालय, अंतर्गत वैधानिक संस्थान 2006

Statutory Institute under NIFT Act 2006, Ministry of Textiles, Govt. of India

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No: NIFT-GNR/IT/206/2019

Date: 05.12.2019

CORRIGENDUM

SUB: Tender for Up-gradation of Passive Network in 4 IT Labs at NIFT-Gandhinagar

Tender No. NIFT-GNR/IT/206/2019

With reference to the e-Tender no: NIFT-GNR/IT/206/2019 invited by NIFT Gandhinagar Campus for Up-gradation of Passive Network in 4 IT Labs at NIFT Gandhinagar Campus, the **Technical Specification mentioned in the said Tender Document has been corrected which may be read as follows:**

In Page 8 & 9 CAT 6 read as "CAT 6A"

In page 31 "Section C" column:

- Sno 1 CAT 6 read as CAT 6A
- Sno 3 CAT 6 read as CAT 6A
- Sno 4 CAT 6 read as CAT 6A

Accordingly, following are corrected Specifications:

Annexure - B

Technical Specifications

All the copper components should be from same OEM

Cat 6A Cable			
Sl.NO	Particulars	Specification	Compliance (Yes/No)
1	Type	Unshielded Twisted Pair, Category 6A, TIA / EIA 568-C.2 & ISO/IEC 11801	
2	Conductors	23 AWG solid bare copper	
3	Insulation	High Density Polyethylene	
4	Jacket	Low Smoke Zero Halogen (LSZH)	

5	Pair Separator	Cross-member (+) fluted Spline	
6	Operating temperature	-20 °C to +60 °C	
7	Storage Temperature	-20 °C to +80 °C	
8	Frequency	Tested up to Minimum 500 MHz	
9	Packing Box	305 Meters/Box	
10	Cable Outer Diameter	7.9 +/- 0.5 mm	
11	Delay Skew	25ns/100m max	
12	Bend Radius	4 * Cable Diameter	
13	Impedance	100 Ohms +/- 15 ohms, 1 to 500 MHz	
14	Fire Rating	IEC 60332-1, IEC 60754, IEC 61034	
15	Mutual Capacitance	5.6 nF MAX /100 Mtr	
16	Conductor Resistance	73 Ohms Max / KM nominal	
17	Max. Tensile strength	110N	
18	Performance characteristics	Performance characteristics to be provided along with bid Attenuation, Pair-to-pair and PS NEXT, ELFEXT and PSELFEXT, Return Loss, ACR and PS ACR	
19	Standard Compliance	ANSI/TIA-568 C.2 category 6A, ISO/IEC-11801, Class E/ IEC 61156-5: category 6A	
20	Application	IEEE 802.af and IEEE 802.3at for PoE	
21	Certification	CPR rated (B2ca-s1a, d1, a1), CE, RoHS	

Cat 6A – 24 Port Jack Panel			
Sl.NO	Particulars	Specification	Compliance (Yes/No)
1	Material	Powder Coated Steel	
2	Ports	24 Port	
3	Size	483mm X 44.0mm (1U)	
4	Colour	Black background with white screened markings	
5	Temperature	- 20 C to 60 C	
6	Humidity	0-90% non-condensing	
7	Fixture	Enhanced cable retention fixture	
8	Unique assembly fixture		
9	Compatible	Compatible with both T568A and T568B wiring options.	
10	Backward compatible with Category 6/5e cabling standards		
11	AWG Support	Supports solid 22-24 AWG wires and stranded 24-26 AWG	
12	Connector Module Holder	High Impact, Flame-Retardant Plastic Compound	
13	Flammability Rating	UL 94V-0	
14	Safety Rating	UL1863	

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15	Identification	Each port of the panel is numbered and has a designated label area for clear port identification	
16	Cable Management	Rear cable management bar which should act as stress reliever for terminated cables	
17	IDC connects	45-degree IDC contacts providing secure, gas tight connection	
18	Termination Tool	110 style termination tools	
19	Re Termination	Connect Re termination up-30	
20	Standards Compliance	ANSI/TIA/EIA-568-B.2-10, IEC/ISO-11801 Class E, ISO/IEC 11281, IEC 60603-7, TIA-968-A (formerly FCC Part 68 Subpart F)	
21	Application	IEEE802.3af & IEEE 802.3at PoE	
22	Certification	UL, CE, RoHS	

Cat 6A – Keystone			
Sl.NO	Particulars	Specification	Compliance (Yes/No)
1	Material	High Impact, Flame-Retardant Plastic Compound, UI 94 V-0	
2	Type	Category 6A	
3	Insertion/Extraction life	750 cycles minimum	
4	Jack Contact Material	50µ" Nickel over gold	
5	Conductor Compatibility Range	22-26AWG solid cable	
6	Propagation Delay	2.5ns Max @1-500 MHz	
7	Current rating	1.5A max	
8	Insulation resistance	500 M ohm (min)@500 Vdc	
9	Voltage rating	72Vdc max	
10	Contact Resistance	20 M ohm (max) per contact	
11	Retention	50N	
12	Flammability Rating	UL 94V-0	
13	Safety Rating	UL1863	
14	Jack Type	Tool less jack for easy and efficient installation	
15	Colour Coding	As Per 568 A/B Standards	
16	Standards Compliance	ANSI/TIA-568-C.2, ISO/IEC-11801, EN50173-2	
17	Application	IEEE 802.af, IEEE 802.3at for PoE applications	
18	Certification	CE, ROHS	

Cat 6A Patch Cord			
Sl.NO	Particulars	Specification	Compliance (Yes/No)
1	Type	Unshielded Twisted Pair, Category 6A, TIA / EIA 568-C.2 & ISO/IEC 11801	
2	Conductors	23 AWG solid bare copper	
3	Insulation	High Density Polyethylene	
4	Jacket	Low Smoke Zero Halogen (LSZH)	

5	Pair Separator	Cross-member (+) fluted Spline	
6	Operating temperature	-20 °C to +60 °C	
7	Storage Temperature	-20 °C to +80 °C	
8	Frequency	Tested up to Minimum 500 MHz	
9	Packing Box	305 Meters/Box	
10	Cable Outer Diameter	6.9 +/- 0.4 mm	
11	Delay Skew	25ns/100m max	
12	Bend Radius	4 * Cable Diameter	
13	Impedance	100 Ohms +/- 15 ohms, 1 to 500 MHz	
14	Fire Rating	IEC 60332-1, IEC 60754, IEC 61034	
15	Mutual Capacitance	5.6 nF MAX /100 Mtr	
16	Conductor Resistance	73 Ohms Max / KM nominal	

All Bidders are informed to consider the above corrected specifications while submitting their bids in response to the tender mentioned above.


 Chirag Solanki, 5/12/19
 Assistant Director.