

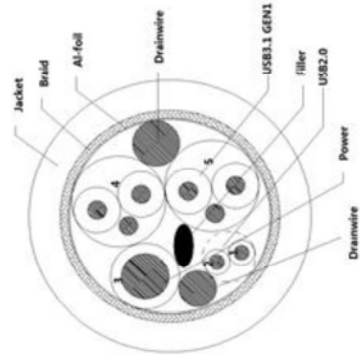
BULK CABLE SPECIFICATION

SPECIFICATION	USB3.0 30#(7/0.10TC)*1P+7/0.10TC+AL-FOIL+HM-MYLAR)*2P+(7/0.08TC)*1P+65/0.08TC 1C+					
CONSTRUCTION ITEM	AWG	COMPONENT A	COMPONENT B	COMPONENT C	COMPONENT D	COMPONENT E
CONDUCTOR		30 (2P)	32 (1P)	22 (1C)	22 (D)	24 (D)
CONSTRUCTION AWG						
MATERIAL			BARE COPPER		TINNED COPPER	
CONDUCTIVE SIZE	No/mm	7/0.10±0.008	7/0.08±0.008	65/0.08±0.008	65/0.08±0.008	41/0.08±0.008
MATERIAL		PE	PE	PP	/	/
OUTSIDE DIAMETER	mm	0.80±0.05	0.45±0.05	1.00±0.05	/	/
INSULATORS No.	PCS	2P	1P	1C	DRAIN	DRAIN
MATERIAL		STC	/	/	/	/
DRAIN SIZE	No/mm	7/0.10±0.008	/	/	/	/
COVERGE	%	100	/	/	/	/
OVERLAP	%	25 Min.	/	/	/	/
COVERGE	%	100	/	/	/	/
OVERLAP	%	25 Min.	/	/	/	/
FILLER				COTTON(OPTIONAL)		
MATERIAL				100		
FACE OUTSIDE				25 Min.		
AL-MYLAR				TINNED COPPER		
MATERIAL				16/9/0.08±0.008, 80% COVERGE		
COVERGE	%			PVC		
OVERLAP	%			4.50±0.15		
MATERIAL				BLACK		
CONDUCTIVE SIZE	No/mm					
MATERIAL						
DIAMETER	mm					
COLOR						
ELECTRICAL CHARACTERISTICS						
1.RATED TEMP: 80°C; 30V						
2.Insulation Resistance: Min. 100MΩ-10m at 20°C						
3.CONDUCTOR RESISTANCE: at 20°C ;						
30AWG:<354Ω/KM;22AWG<59.4Ω/KM						
32AWG:<589Ω/KM;24AWG<94.2Ω/KM						
4.Dielectric strength : AC-500V/MIN						
UTP characteristic (meet USB2.0 requirement)						
5.Impedance:Differential:90Ω±15%						
6.Common:30Ω±30%						
7.Delay (ns/m): 5.2 ns/m 8.Delay skew (ps):100ps						
9.Attenuation (d B/cable):						
frequency(MHZ):	0.512	48	96	400		
Attenuation:	0.13	1.35	1.9	5.8		
PHYSICAL CHARACTERISTICS OF JACKET						
1.TENSILE STRENGTH (BEFORE AGING): Sheath : > 1.05kg/mm2						
2.Elongation before aging: Sheath : >100%						
STP characteristic(meet USB3.1 GEN 1 requirement)						
10. Impedance (Ω) : Differential :90±7						
11.Intra -Pair Skew: 15Ps/m						
12 Attenuation (dB/2M):						
frequency(MHZ):	100	1250	2500	7500		
Attenuation(dB/2M):	1.5	5	7.5	25		
13. Differential to Common mode: 20 Db/Cable @0.1~7.5G						
REGULATORY COMPLIANCE:						
CE2011/65/EU(RoHS DIRECTIVE)						

Approved by: B.GATES 5/22/2017

Prepared by: R.CLARK 5/19/2017

VERSION	DESCRIPTION	DATE	APPROVED
C	ECN 9114: UPDATE PER VENDOR SPEC	2018/3/26	S.LI
B	ECN 8977: REVISE TO VENDOR SPEC	2017/10/26	D.FRISIELLO
A	CN COMPONENT RELEASE	2017/5/19	R.CLARK



COLOR CODE
1P: 1 .White-2.Green
1C: 3. Red
2P: 4.White-Blue (Red Al-foil)
5.White-Blue (Green Al-foil)

MARKING
NONE

REMARK