

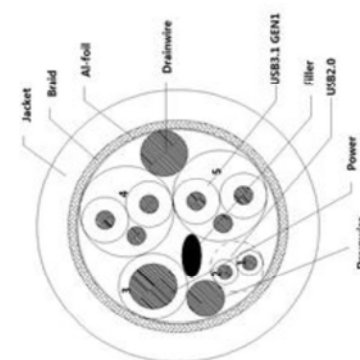
BULK CABLE SPECIFICATION

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	COMPONENT A	COMPONENT B	COMPONENT C	COMPONENT D	COMPONENT E
CONSTRUCTION AWG	30 (2P)	32 (1P)	22 (1C)	22 (D)	24 (D)
CONSTRUCTION AWG	AWG				
MATERIAL		BARE COPPER		TINNED COPPER	
CONDUCTIVE SIZE	No/mm	7/0.10±0.008	65/0.08±0.008	65/0.08±0.008	41/0.08±0.008
MATERIAL		PE	PP	/	/
OUTSIDE DIAMETER	mm	0.80±0.05	0.45±0.05	1.00±0.05	/
INSULATORS No.	PCS	2P	1P	1C	DRAIN
MATERIAL		STC	/	/	/
DRAIN SIZE	No/mm	7/0.10±0.008	/	/	/
COVERGE	%	100	/	/	/
OVERLAP	%	25 Min.	/	/	/
COVERGE	%	100	/	/	/
OVERLAP	%	25 Min.	/	/	/
MATERIAL			COTTON(OPTIONAL)		
COVERGE	%		100		
OVERLAP	%		25 Min.		
MATERIAL			TINNED COPPER		
COVERGE	%		16/9/0.08±0.008, 80% COVERAGE		
OVERLAP	%		PVC		
MATERIAL			4.50±0.15		
CONDUCTIVE SIZE	No/mm				
MATERIAL			BLACK		
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



CROSS SECTION VIEW

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