

A

A

B

B

C

C

D

D

E

E

F

F

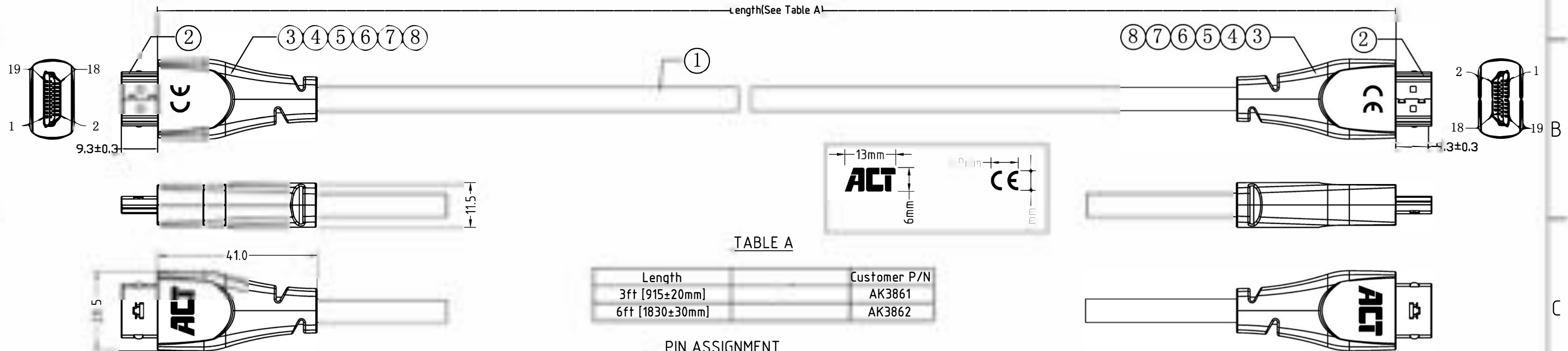


TABLE A

Length	Customer P/N
3ft [915±20mm]	AK3861
6ft [1830±30mm]	AK3862

PIN ASSIGNMENT

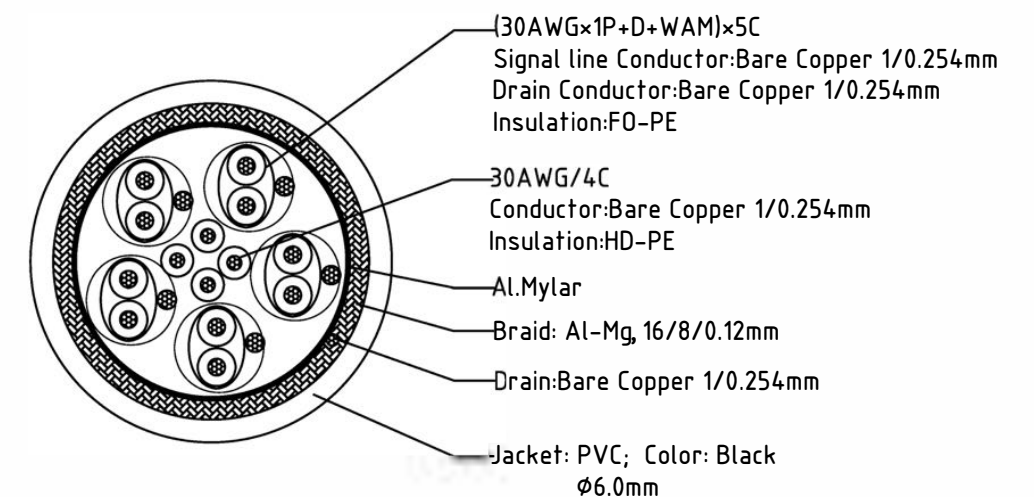
Electrical character:

- 1) 100% Open/short/Intermittent testing
- 2) Withstanding voltage: DC/AC 300V AT 10ms.
- 3) Insulation resistance: 10M Ohm(min)
- 4) Residual operating current:
 - a. $<1\text{M}=0.5\text{mA}$;
 - b. $1.0\sim2.0\text{M}=1.0\text{mA}$;
 - c. $2.0\sim3.0\text{M}=2.0\text{mA}$;
 - d. $3.0\sim5.0\text{M}=3.0\text{mA}$;
 - e. $5.0\sim10\text{M}=5.0\text{mA}$;
 - f. $10\sim15\text{M}=7.0\text{mA}$;
- 5) Conductive resistance: 5 Ohm(Max)

Function Test:

- 1) Supports 4Kx2K/60Hz
- 2) Supports 18Gbps, HDR, YUV 4:4:4, HDCP 2.2

HDMI 19M		HDMI 19M	
1	White	1	TMDS data2+
3	Brown	3	TMDS data2-
5	Drain	5	TMDS data1 Shield
4	White	4	TMDS data1+
6	Blue	6	TMDS data1-
2	Drain	2	TMDS data2 Shield
7	White	7	TMDS data0+
9	Green	9	TMDS data0-
11	Drain	11	TMDS Clock Shield
10	White	10	TMDS Clock+
12	Red	12	TMDS Clock-
8	Drain	8	TMDS data0 Shield
14	White	14	Utility/ HEAC+
19	Oran	19	HPD/ HEAC-
17	Drain	17	DDC/CEC/HEAC GND
13	Green	13	CEC
15	White	15	SCL
16	Gray	16	SDA
18	Red	18	+5V Power
SHELL	Braid+Drain	SHELL	



8	Pad-Print	Pad-print LOGO (White)		
7	Overmold	PVC,45Pa,Black		
6	Copper Foil	Strong adhesive double-sided conductive copper 38U "(W50×L5MM) incision		
5	Tinplate	HDMI 19P/AM two piece tinplate (upper and lower)		
4	Innermold	LDPE endometrial material		
3	Wire Clip	20P/AM Automatic welding clamp type,30AWG black PBT.		
2	Conn	HDMI A/M ,PIN Gold Plated,Shell/Steel Gold Plated, locking connector		
1	Cable	(30#8C/1P+D+WAM)/5C+30#8C/4C+A+D+B(16/8/0.12,Al-Mg)+PVC,Black,OD6.0mm		
NO.	PART NAME	SPEC DESCRIPTION	PART P/N	REMARK

Mould number:	Customer:	Customer P/N:	See TABLE A	Article No./ AK3861 – AK3862	
	Designed by:	Checked by:	Approved by	File number:	Date: 20/05/14
					Scale: none
					Unit: mm
				Name: Premium HDMI Cable with S Lock 30AWG	
Packing file:				P/N:	Edition: 1.0
					Sheet: