SPECIFICATION

CABLE NAME	UL20866
CABLE SPEC	4C×18AWG(41/0.16T)

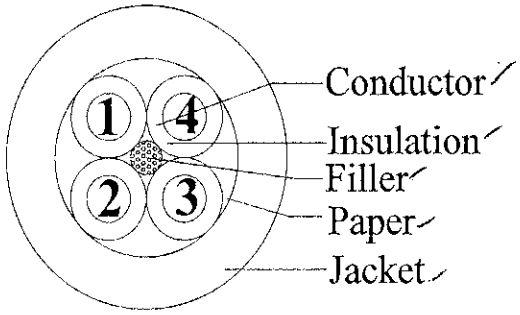
RoHS Compliant

SPEC No.	HT1802326
Version	A/2
Customer's P/N.	***

Modified record	
Modified item	Rev. record
更改印字	2018.07.20TP

ITEM		4C×18AWG(41/0.16T)
CONDUCTOR	Material	Tinned copper stranded
	Size	41/0.16±0.008mm
	O.D. (Ref)	1.18mm
INSULATION	Material	PVC
	Min.average thickness	0.23mm
	Min.thickness at any point	0.18mm
	O.D. (Ref)	1.66±0.15mm
CABLING	Filler	cotton
	Material	Paper Tape
JACKET	Material	PU
	Min.average thickness	1.00mm
	Min.thickness at any point	0.80mm
	O.D. (Ref)	6.60±0.25mm

CONSTRUCTION



COLOR CODE

Insulation:1.brown, 2.black, 3. blue 4.white

Jacket: yellow (pantone 108C)

MARKING ON THE SURFACE

E258652 18/4 AWM STYLE 20866 80℃ 300V VW-1 --- c AWM I/II A/B 80℃ 300V FT1 --- PUR--- UV,OIL AND WATER RESISTANT

REMARK

water resistance standard:UL62 (5.2.3 insulation)
UV resistance test:UL1581 720Hrs
Oil resistance test:UL758

ELECTRICAL CHARACTERISTICS

Rated voltage: 300V
Rated temperature: -40～80℃
Max. DC conductor resistance (20℃): 23.2Ω/km
Voltage withstand test: AC 2.3kV/1second
Insulations resistance: Min 10MΩ*km

PHYSICAL PROPERTIES

Tensile strength:	≥10.3MPa
Elongation:	≥100%
Aged condition:	113±1℃×168h
Percent of original tensile strength:	≥70%
Percent of original elongation:	≥65%
Bending radius: Min 5×OD	
Cold Bend(-40±1℃X4hrs)	No Crack

HWATEK

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Approved	Yuan	**Customer approved**	
Checked		Customer signature	
Drawing	TaoPan		
Date	2018.05.21	Date	

Approved Matt Herbers July 20, 2018