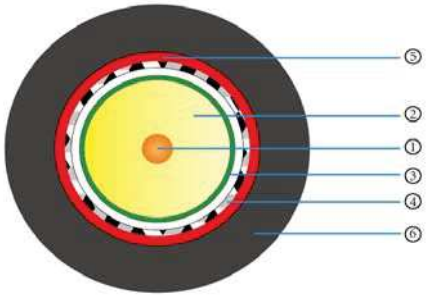
Ed.1.0
06.07.2020

TECHNICAL DATA SHEET

Number: 1783-CPR-1072
Reaction to Fire: Cca

WISI MK96C

Construction



1. Inner conductor	**Bare Copper**
Diameter (mm)	1,02±0.01
2. Insulation	**Foam Polyethylene**
Diameter (mm)	4,65±0,15
3. 1st Shield - AL Foil	**AL/PET/AL-Foil (Blue/Bonded)**
Overlap foil(mm)	≥2
Diameter over foil(mm)	4,80+/-0.20mm
Ovality	≤4%
4. 2nd Shield - Braiding	**72xTC mixed 72xTCCA**
Coverage	⩾77 %
Formation (mm)	16×9×0.10
5. 3rd Shield - AL Foil	**AL/PET Foil (Bonded)**
Coverage	>115%
6. Jacket	**LSOH**
Diameter (mm)	7.0+/-0.20mm
Color	According to customer
Min Thickness(mm)	⩾0.75
Ovality	≤5%

Marking ink color:Black
According to customer

Cable testing Standard :	Flame retardancy:IEC 60332-3-25:2009
	Flammability: IEC 60332-1:2004+A1:2015
	Zero Halogen:IEC 60754-2:2011
	Smoke density:IEC61034-1:2005+A1:2013
Reaction to Fire	Cca-s1,d0,a1

Electrical Characteristics

Characteristic Impedance	75 ± 3 Ω
Capacitance	54pF/m ± 3%
Max.Inner Conductor Resistance @20℃	< 22.17 Ω/km
Max.Outer Conductor Resistance@20℃	<14 Ω/km
Velocity Ratio	82% ± 3%
Regularity of impedance	≥43dB
Operating temperature	-20°C ~ +70°C
Max. Bending radius	20D

Typical Attenuation at 20°C

5 MHz	1,52 dB/100m
50 MHz	4,52 dB/100m
100 MHz	6,44 dB/100m
200 MHz	9,19 dB/100m
400 MHz	13,19 dB/100m
800 MHz	19,02 dB/100m
1000 MHz	21,56 dB/100m
1200 MHz	23,64 dB/100m
2150 MHz	32,40 dB/100m
3000 MHz	40,30 dB/100m

Return loss:

5-470 MHz	>28 dB
470-1000 MHz	>25 dB
1000-2000 MHz	>23 dB
2000-3000 MHz	>20 dB

Transfer Impedance (Class A++):

5-30 MHz	≤ 0,9 mΩ/m

Screening Attenuation (Class A++):

30-1000 MHz	⩾105 dB
1000-1200 MHz	⩾95 dB

RoHS GUIDELINE
We operate according to the following standards

Control Item	Standard	Testing Method	Testing Equipment
Cadmium content (Cd)	<0.01%	EN1122	ICP-AES
Lead content (Pb)	<0.1%	EPA3050B	ICP-AES
Mercury content (Hg)	<0.1%	EPA3052	ICP-AES
Chromium (VI) content	<0.1%	EPA3060(UN-VIS)	ICP-AES
Polybrominated Biphenyls(PBB)	Forbidden	GC/MS	
Polybrominated Diphenyl Ether (PBDE)	Forbidden	GC/MC	