



CABLE STRUCTURE

Conductor	Bare or tinned stranded class 2 copper in accordance with IEC 60228
Fire Barrier	Fire resistant tape helically wrapped around the conductor
Insulation	Ethylene propylene rubber (EPR) or Cross-linked polyethylene (XLPE) compound in accordance with IEC 60092-360
Separator	Optional separator tape
Inner Covering	Separator tape or halogen free bedding compound in accordance with IEC 60092-360, Clause 3.5
Screen	Bare or tinned copper wire braid in accordance with IEC 60092-350 and S.P 01/21. Also, the braid may be manufactured in accordance with IEC 60092-353 without a minimum diameter requirement for the braiding wires
Separator	Optional separator tape
Outer Sheath	Halogen-free, flame-retardant thermoset compound of Type SHF2, in accordance with IEC 60092-360

STANDARDS & MAIN CHARACTERISTICS

Design Guidelines	S.P 01/21	Flourine Content	IEC 60684-2
Electrical Tests	S.P 01/21	Flame Retardancy	IEC 60332-1-2
Mechanical Tests	S.P 01/21	Flame Propagation	IEC 60332-3-22 Cat.A
Conductor Resistance	IEC 60228	Fire Resistant	IEC 60331-11 & IEC 60331-21
Insulation Material	IEC 60092-360	Ozone Resistance	IEC 60811-403
Sheath Material	IEC 60092-360	Oil Resistant	IEC 60811-404
Halogen Free	IEC 60754-1 & IEC 60754-2		
Low Smoke	IEC 61034-1&IEC 61034-2		

OPERATING CHARACTERISTICS

Maximum Operating Voltage	250V AC / 355V DC
AC Test Voltage	2 kV AC
Working Temperature	-40°C to +90°C
Min. Bending Radius	6 x D
Current Carrying Capacity	IEC 60092-352

VISUAL AND MARKING

Sheath Colour	Green (other colours on request)
Core Colours	In accordance with S.P 01/21
Marking	ÜNTEL 250V TİP 5B TAZSYEYO FR-180 / ULTNGSG-FR KxMxN mm ² IEC 60332-1&3 A IEC 60331 [YEAR] MADE IN TURKEY [LOT NO] [MPS NO] [XXXX MT]

APPLICATION

Used for fixed installation in telecommunication, signal, radio, radar and data transmission systems on naval vessels. Suitable for both below and above deck applications, resistant to oil and marine environmental conditions.

Contents (drawings and specifications) in this document belonging to Üntel Kabloları Sanayi ve Ticaret A.Ş. "ÜNTEL" are for informational purposes only and do not have any legal binding. ÜNTEL does not guarantee the accuracy of the information provided and reserves the right to revise the information without any notice. Images related to the cable drawing are not to scale and do not represent detailed views. In case of any dispute, the information in ÜNTEL's communication records will prevail. This document should not be copied, modified, or shared with third parties without the permission of ÜNTEL. If you need further assistance or have any other requests, feel free to ask.

CAN*	Conductor Type	Cross-section (mm ²)	Outer Sheath Diameter		Approx. Cable Weight (kg/km)	Min. Bending Radius (mm)	Current Carrying Capacity(*) (A)	Max. Electrical Resistance at 20°C (ohm/km)
			Nom. (mm)	Max. (mm)				
1652.7	Class 2	30x2x0,4	22,3	25,0	614	150	3	57,5
1652.8	Class 2	45x2x0,4	22,7	30,5	894	183	3	57,5

C

* Conductor temperature at 90 °C, Ambient air temperature at 45 °C

* CAN : Cable Article Number