

# Subconn PUR cable

Type: P/HFCX75/6C20#



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 Approved by KL

## Construction Characteristics

<b>Conductor</b>	Coax, 0,14 mm <sup>2</sup> (26 AWG) 7-strand bare copper conductor (1 ea)
<b>Insulation</b>	Polyolefin dielectric to 2,7 mm nominal OD
<b>Screen</b>	Braid (95% coverage) braid made from tin-plated copper wires. Flooded with elastomeric water block compound and wrapped with aluminium-foil tape in contact with braid.
<b>Inner jacket</b>	Thermoplastic elastomer, 0,4 mm
<b>Conductor</b>	0,50 mm <sup>2</sup> (20 AWG) stranded tinned copper conductors insulated with polypropylene (6 ea)
<b>Filler</b>	Filler for roundness
<b>Waterblock</b>	Elastomeric compound in interstices
<b>Binder</b>	Polyester tape wrap
<b>Outer jacket</b>	Polyurethane jacket, Ultra marine blue 85A, nominal wall thickness 1,2 mm Print in white: SUBCONN P/HFCX75/6C20#

## Mechanical Characteristics

<b>Diameter</b>	9,8 ± 0,4 mm
<b>Weight in air</b>	122 kg/km
<b>Weight in seawater</b>	45 kg/km
<b>Min bending radius</b>	102 mm
<b>Max depth rating</b>	7000 m
<b>Operating temperature range</b>	-20°C - +80°C

## Electrical and Physical Characteristics

<b>Operating voltage</b>	≤600 VDC
<b>DC resistance @ 20°</b>	≤128Ω/km (0,14 mm <sup>2</sup> conductor) ≤18Ω/km (screen) ≤33Ω/km (0,50 mm <sup>2</sup> conductor)
<b>Capacitance conductor to screen</b>	65 pF ± 10 pF/m
<b>Attenuation</b>	5,25 dB/100 m @ 10 MHz 16,7 dB/100 m @ 100 MHz 45,9 dB/100 m @ 750 MHz 65,6 dB/100 m @ 1,5 GHz
<b>Impedance</b>	75Ω