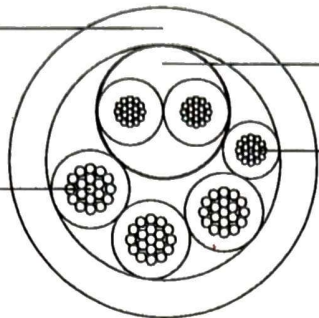


REVISIONS				
REV	DESCRIPTION	BY	APRVD	DATE
0	Released for Manufacturing	SRM	CH	07/19/21
1	Updated Drawing per Customer request	SRM	CH	02/09/22
2	Updated Outer Jacket Material	<i>[Signature]</i>	<i>[Signature]</i>	5/12/22

Outer Sheath
 1.02 mm (0.040") PU
 Nominal Wall Thickness
 Color: Black

Twisted Pair
 20 AWG, 0.60 mm² (19/0.0071") TC
 Insulated with CELL-RAD to 1.91 mm (0.075")
 (1 PLC)



Single Core
 16 AWG, 1.25 mm² (19/0.0113") TC
 Insulated with EXTRAD to 2.26 mm (0.089")
 (3 PLCS)

Single Core
 16 AWG, 1.25 mm² (19/0.0113") TC
 Insulated with EXTRAD to 2.26 mm (0.089")
 (3 PLCS)

Finished Diameter: 8.89 ± 0.18 mm (0.350 ± 0.007")

[Handwritten Signature]
 5/14/22

Color Code

- 1. Green
- 2. Yellow
- 3. Purple
- 4. Black
- 5. Red
- 6. Green/Yellow

Print:
 "CHX030609 COMPOSITE CABLE 20AWG TP 3C 16 AWG 1C 20 AWG
 UMBILICALS.COM YYWKXX"
 YY = YEAR, WK = WEEK, XX = RUN NO.

Nominal Mechanical Properties:	Imperial	Metric	Electrical Properties:	Elect. Resist Ω/km @ 20C	Ins. Resist GΩ* km @500 Vdc	Nom. Capacitance (nF/km)	Impedance (Ω)	Max. Attenuation		Voltage Rating Uo/U (kV)
								(MHz)	(dB/km)	
Min. Bend Radius (Static)	1.97 in	50.0 mm	16 AWG	< 16.6	> 0.5	—	—	—	—	0.3/0.3
Min. Bend Radius (Dynamic)	3.3 in	84.5 mm	20 AWG	< 35.0	> 0.5	—	120 ± 10	—	—	0.3/0.3
Weight in air	65 lb/kft	100 kg/km								
Temperature Range	-40/+221 °F	-40/+105 °C								

*Assumes seawater SG @ 1.025

Disclaimer:
 Metric conductors may be substituted with the nearest standard AWG's in order to reduce manufacturing lead-time.

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	DWN BY: S. MEHORNAY	CHK'D/APRVD BY: C. HAVNER		SCALE: NTS
	DESG BY: C. HAVNER	FILE NAME: CHX030609	DATE: 05/12/2022	
	PART NO.: CHX030609	SHEET: 1 of 1		