

# Nhex-Flex® FP

## Tray Cable TC-ER

### Features

TRI-Rated, UL, CSA, IEC Marine  
UL, TC-ER, 90C 600V  
Critical Circuit Integrity Fire Resistant

16awg / 1.32 mm<sup>2</sup>  
with insulated ground wire.  
Halogen Free Low Smoke Cables  
DNV Marine Type Certified

### Scope

Halogen-free Control, Power and Instrumentation Tray Cable with Tri-rating of UL, CSA, and International Marine approvals. For use in industrial or marine applications with conduit, cable tray applications, and suitable for use in hazardous locations per NEC art. 336, Class 1 Div. 2., CEC. Part 1, Table 19.

### Rating

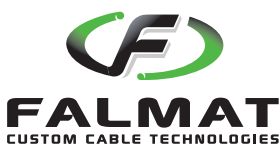
UL TC-ER, UL1277, NEC art 336 exposed runs  
Suitable for class 1 Div 2 Hazardous locations  
Sunlight resistant, -25C to 90C Dry  
CSA TC CSA C22.2 No. 230, 90C 600V  
CSA CIC CSA C22.2 No.239, 90C, 600V  
IEC Marine 60092-350,-376, 90C, 250V  
LSZH per IEC 60754-1  
IEC 60079-14 Annex E Restricted Breathing Test  
Construction is per IEC 60079-14 9.3.2 a  
Tensile Strength > 8.5 N/mm<sup>2</sup> (MPa) (ref IEC 60079-14 2013/Cor 1:2016)  
CSA FT-4 Flame, IEC 60332-3-22 Flame  
Critical Circuit Integrity Fire Resistant Test IEC 60331-21

Cable Properties	Property	Description
	<b>Conductors:</b>	16AWG - 7 X .0201 in. stranded nickel plated copper
	<b>Insulation:</b>	Silicone rubber with fiberglass covering, 200°C
	<b>Shields:</b>	Pairs are individually shielded with copper tape and have an overall copper tape shield with drain wire.
	<b>Ground Wire:</b>	Green insulated ground wire outside shields.
	<b>Jackets:</b>	Halogen-free, olefinic flexible elastomer, flame retardant, oil/vapor/ moisture/sunlight resistant. *Black is the standard color. Blue or red may also be ordered.
	<b>Wire Coding:</b>	Pairs: Blue & Black with numbered marker tapes Ground: Green

PART NUMBER	NO. OF COMP.	JACKET THICKNESS	NOM. O.D. JACKET		WEIGHT (LBS.)
			INCH	MM	
PAIRS					
FM111716P01	1PR	.043	.372	9.5	81
FM111716P02	2PR	.055	.682	17.3	177
FM111716P04	4PR	.060	.815	20.7	298
FM111716P07	7PR	.080	.944	24.0	470

\* P/N ordering - To specify Jacket color, please add following suffixes:  
-0 for Black Jacket    -2 for Red    -6 for Blue

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