

# Ener-Flex Cable

Black TPE Jacket



16 AWG (26/30) 1.31mm<sup>2</sup>

Part No.	No. of Conductors	Cable Ø		lbs/1,000ft	Conductor Color
		in	mm		
• EF-1612-BL01	12	0.580	14.7	220	Blue
• EF-1619-BL01	19	0.698	17.7	285	Blue
• EF-1625-BL01	25	0.810	20.6	397	Blue
• EF-1633-BL01	33	0.920	23.4	510	Blue
• EF-1642-BL01	42	0.950	24.1	735	Blue
• EF-1649-BL01	49	1.070	27.2	760	Blue
• EF-1665-BL01	65	1.210	30.7	890	Blue

• standard stock item

## Overview

Finely stranded bare copper conductors; specially formulated PVC/nylon insulation; dry lubricant; specially formulated and chemical resistant black Thermoplastic Elastomer (TPE) jacket. Used in cable tracks, gantry robots, pick and place units, conveyor systems, machine tools, automated handling equipment and other continuous flexing applications.

## Approvals

UL: • TC-ER  
• MTW  
• THHN/THWN

CSA: • AWM I/II A/B 105°C W75 1000V (-40°C)  
• FT4 flame test

RoHS: • Complies with EU dir. 2002/95/EC

## Technical Data

Minimum bend radius  
for installation: 10 x cable diameter

Temperature rating:  
- Static: -25°C to +90°C  
- Flexing: -5°C to +90°C

Nominal voltage: 600V RMS max  
1,000V TC wind turbine (WTTC)

Conductor stranding: Class M

Performance:  
Over one million continuous rolling flex cycles at a minimum bend radius of 10x cable diameter.

Color code:  
- Blue conductors w/ black ink print; green/yellow ground; #2 white w/ blue stripe