



Class 1 Flat Cable



Class 2 Flat Cable



Auxiliary Power Flat Cable

Specifications

Certifications	UL Listed and CSA Certified
Cable Type	4-conductor unshielded
Cable Rating	CL1: 4C16, UL TC 600V 75C wet sunlight resistant, cUL FT4 CL2: 4C16, UL CL2 75C, CSA AWM I/II A/B 80C 300V FT4 Auxiliary Power: 4C16, UL TC 600V 75C wet sunlight resistant, cUL Type CIC TPE FT4
Operating Temperature [C (F)]	-25...+75 ° (-13...+167 °)

Class 2 (CL2) Cable: For less demanding applications at lower currents, a PVC jacketed Class 2 cable is available. More flexible than the CL 1 cable, this design adheres to NEC Article 725, which states that for a Class 2 circuit, the power source must have a rated output of less than 30V and 100V A. In the case of DeviceNet, running at 24V, the maximum allowable power is then 100V A/24V or 4 A. Therefore, KwikLink CL 2 cable is rated to 4 A at 24V DC. This cable can be used with all flat cable connectors.

Features

- Physical key to ensure proper connection alignment
- Sized to fit inside one inch conduit
- TPE or PVC jacket material
- UL Recognized and CSA Certified

Description

Class 1 (CL1) Cable: Per NEC specifications for a Class 1 circuit (see NEC Article 725), the power source must have a rated output of less than 30V and 1000V A. So, based on the size of the flat cable conductors, the maximum current through the network must be no more than 8 A. For applications requiring 8 A in the field, a Class 1 rated flat cable is available.

The Class 1 KwikLink cable is UL Listed for 600V and 8 A at 24V DC. For optimal chemical resilience and superior protection in harsh environments, KwikLink Class 1 cable also features a TPE jacket for maximum toughness with excellent flexibility.

Auxiliary Power Cable (CL1): In some cases, it may be desirable to run an auxiliary bus to power outputs (i.e. valves, actuators, indicators). To support such an application, a black PVC power cable for use with KwikLink connectors is provided. The KwikLink power cable is a Class 1 cable capable of supplying 24V of output power with currents up to 8 A. This cable can be used with all flat cable connectors.

Product Selection

Description	Assembly Rating	Use	Jacket Material	Color	Cat. No.		
					75 m Spool	200 m Spool	420 m Spool
	24V DC 8 A (Class 1)	DeviceNet Trunk	TPE	Grey	1485C-P1E75	1485C-P1E200	1485C-P1E420
	24V DC 4 A (Class 2)	DeviceNet Trunk	PVC	Light Grey	1485C-P1G75	1485C-P1G200	1485C-P1G420
	24V DC 8 A (Class 1)	Aux Power Trunk	PVC	Black	1485C-P1L75	1485C-P1L200	1485C-P1L420

Note: The KwikLink general purpose flat cable is only for use with the KwikLink general purpose connectors and ArmorBlock MaXum flat cable base. It is not suitable for use with original KwikLink heavy duty connectors.