



FireWire Cable for Visionary Performance

MVC-800/MVC-800 EL Cable

FireWire Cable for vision applications— IEEE 1394b.

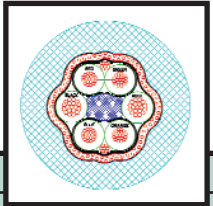
Now there's a high-quality source for the FireWire cable you need for your specific application. Northwire will custom-configure a cable solution for industrial vision systems and camera applications for demanding factory environments. You'll save money. And with Northwire, you'll get service fast.

- Two versions: standard length – 4.5 meters (14.78 ft.) or extended length – up to 7 meters (22.96 ft.)
- Industrial, tough TPE outer cable jacket.
- Highly resistant to oil, abrasion, weld flash, UV light and water.
- UL-recognized and CSA-approved.
- MVC-800 EL cable offers high-flex life and is tested to exceed 11 million cycles on Northwire Standardized Flex Test Protocol (N.S.F.T.P.) modes A and B.*
- RoHS compliant.
- Meets or exceeds IEEE 1394b standard for FireWire cable.
- FT-1 flame rating.
- Fully shielded: inner and outer 100% polyester/aluminum film, 2 drain wires and 90% tinned copper braid overall.
- Custom choices and variants available for quick delivery.

The search is over for superrugged, high-quality, affordable FireWire Cable. Improve your machine vision performance with MVC-800/MVC-800 EL. Visit our website at www.northwire.com, call us at 1-800-468-1516 or e-mail us at cableinfo@northwire.com. We'll give you the solution you need with the most responsive service in the industry.

**Go to www.northwire.com/flx for more information.*

MVC-800/MVC-800 EL FireWire Machine Vision Cable



CABLE TYPE	MVC-800/MVC-800 EL
PART NUMBER	FAWM226C-003 standard length (SL)* FAWM226C-008 extended length (EL)*
CONDUCTOR	
Number of Conductors	4/26 AWG, 2/22 AWG (SL)*; 4/24 AWG, 2/22 AWG (EL)*
Stranding	Fine Stranded
OVERALL CABLING	
Fillers	Non-Wicking
Inner Conductor Colors: (SL)*	26 AWG: Rd/Gn, Bu/Og 22 AWG: Bk,Wt
Inner Conductor Colors: (EL)*	24 AWG: Rd/Gn, Bu/Og 22 AWG: Bk,Wt
INNER (PAIR) SHIELDS	Aluminum/Polyester Film 26 AWG Drain Wires
OUTER SHIELD	
Outer Shield Material	TC Braid Shield Over 100% Aluminum-Polyester Foil
OUTER JACKET	
Material	TPE
Color	Matte Dark Green
DIMENSIONS	
Cable OD	0.230" Nominal (SL)*; 0.285" Nominal (EL)*
MAXIMUM TEMPERATURE RATING	+80°C
ELECTRICAL	
Max. Operating Voltage – UL	30V
MVC-800/MVC-800 EL MEETS OR EXCEEDS THE ELECTRICAL SPECIFICATIONS PER IEEE 1394B	
Differential Impedance	110 Ohms ± 6 Ohms (Data Pairs)
Velocity of Propagation – Vp	<5.05 ns/m
Conductor DC Resistance Attenuation	250 MHz: <2.3db/4.5 Meters (SL)*; 7 Meters (EL)* 400 MHz: <2.9db/4.5 Meters (SL)*; 7 Meters (EL)* 500 MHz: <3.5db/4.5 Meters (SL)*; 7 Meters (EL)* 800 MHz: <4.6db/4.5 Meters (SL)*; 7 Meters (EL)* 1000 MHz: <5.5db/4.5 Meters (SL)*; 7 Meters (EL)*
Flex-life (EL)*	Exceeds 11 million cycles N.S.F.T.P. modes A and B
Flex-life (SL)*	Exceeds 2.6 million cycles N.S.F.T.P. mode A
Signal Pair Skew	160 pS/4.5 Meters Max. (SL)*; 7 Meters (EL)*
STANDARDS AND AGENCY COMPLIANCE APPLICABLE STANDARDS	
NEC/(UL) Specification	UL-Recognized AWM
CSA Specification	CSA AWM I/II A/B
IEEE	IEEE-1394b
RoHS	RoHS Compliant
FLAME TESTS	
UL Flame Test	
CSA Flame Test	CSA FT-1
PLENUM/NON-PLENUM	Non-Plenum

*(SL) = standard length (EL) = extended length

Northwire DIRECT



Made in the USA



ISO 9001:2001 Certified



110 Prospect Way • Osceola, Wisconsin 54020
1-800-468-1516 • Tel.: +1 715-294-2121 • Fax: +1 715-294-3727
www.northwire.com



© 2008 Northwire, Inc. All rights reserved.