

# Technical Data

## Core Binder

Where required, a binder tape is applied over the assembled core.

## Inner Jacket

The jacket is 90°C and low temperature rated, flame retardant, low acid gas emitting black PVC.

## Armour

Interlocking aluminum tape armour is applied directly over the inner jacket. Galvanized steel armour is also available.

## Outer Jacket

Low acid gas emitting, fire retardant PVC rated for low temperature is utilized. Standard outer jacket colour is Black for 600V and 1KV, Orange for 5KV, and Red for 15KV. A Blue jacket is also available on some multi-conductor configurations. Other outer jackets colours are available on special request.

## Conductor Identification

# of Conductors	Identification Key	Conductor Size	Identification Method		COMPOSITE	
			Colours	Numbers	Power	Colour Coded Number Coded
1	None	14-2 AWG	Coloured insulation	Printed	Control	Number Coded
2	Black, White	1-1750 MCM	Coloured stripes	Printed	Control	Number Coded
3	Red, Black, Blue					
4	Red, Black, Blue, White					
5 or more	Number Coded					

## Specification Information

Dimensions and weights are approximate and subject to manufacturing tolerances. Weights shown are for cable only; add 20% for reels to obtain estimated shipping weight.

100% insulation level may be used in grounded or ungrounded systems where faults will clear within one minute. 133% insulation level is recommended wherever fault clearing times may exceed one minute but not one hour, and where additional insulation strength is desired. For other cases including resonant ground systems and where fault clearing time may exceed one hour, 173% insulation level is recommended.

Ampacities based on Rule 4-004 and Table 1 and 2 of CSA C22.2-1-1994 apply to cables with copper conductors rated up to and including 5KV. Single conductor cables may require derating in accordance with CEC Rule 4-008. For cable over 5KV ampacities are based on ICEA Publication P-46-426. Inspection authority agreement is required to use these values. The equipment bonding conductor sizes shown are specified in CSA C68.3-M92 and are based on the requirements of Table 16 and the ampacities of Table 2 of the Canadian Electrical Code.

Cable fitting data is based on information published by the relevant manufacturers. In some instances the fittings listed may require the removal of the inner jacket.

## Custom Armoured Cables

### Let us construct an armoured configuration to meet your needs!

Known for their excellent performance, armoured cables are indispensable in demanding installations, where extra mechanical protection and security are required. In retrofit installations, armoured cable may eliminate the need for conduit while still meeting building code requirements.

National Cable Specialists is able to construct an armoured cable configuration unique to your requirements and/or specifications. We can provide a protective steel or aluminum armour and add an overall FT1 or FT4 rated jacket in a custom colour with custom legend and marked in sequence (feet or metres) for easy on-site measurement.

We can provide custom armour solutions for any cable- copper cable, fiber optic cable, or hybridized forms.