
























16-Conductor Cable:

Conductor Assignment	Colour Key	Wire Colour and Tracer		IMSA Conductor #
Red		Red		3
Amber		Orange		5
Green		Purple		4
Green Left Turn Arrow		Blue		6
Amber Left Turn Arrow		Black		1
Neutral		White		2
Pushbutton Common		White	Black	7
Ph. 2 / 6 Don't Walk		Red	Black	8
Ph. 2 / 6 Walk		Purple	Black	9
Ph. 2 / 6 Pushbutton		Blue	Black	11
Ph. 4 / 8 Don't Walk		Red	White	13
Ph. 4 / 8 Walk		Purple	White	14
Ph. 4 / 8 Pushbutton		Blue	White	15
Spare		Orange	Black	10
Spare		Black	White	12
Spare		Black	Red	16

7-Conductor Cable:

Conductor Assignment	Colour Key	Wire Colour and Tracer		IMSA Conductor #
Red		Red		3
Amber		Orange		5
Green		Purple		4
Green Left Turn Arrow		Blue		6
Amber Left Turn Arrow		Black		1
Neutral		White		2
Spare		White	Black	7

Cable Requirements - Type & Quantity:

Pole Serving		Required Number of Cables	
		7-Conductor Cable	16-Conductor Cable
No Traffic Signal Phase	1 Pedestrian Phase	-	1
No Traffic Signal Phase	2 Pedestrian Phases	-	1
1 Traffic Signal Phase	No Pedestrian Phase	1	-
1 Traffic Signal Phase	2 Pedestrian Phases	-	1
2 Traffic Signal Phases	No Pedestrian Phase	2	-
2 Traffic Signal Phases	1 Pedestrian Phase	1	1
2 Traffic Signal Phases	2 Pedestrian Phases	1	1

NO.	REVISION	BY	DATE
Approved:		Government of Alberta ■ Transportation	
Technical Standards Branch			
Date: March 18, 2010			
WIRING ASSIGNMENT FOR TRAFFIC CONTROL SIGNAL			
Prepared By:	Checked By:	Scale: None	TCS-F-101