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HOW CALCULATE BUNCHING LAY-LENGTHS

How calculate the behaviour of the lay-length of an already bunched wire in case of a previous bunching. All the references will be made on number of lay-lengths contained in 1 meter of cable in mm. (This behaviour is obtained only with pay-offs without back twist.)

N° LAY-I ENGTHS FOR METER =

LAY-LENGHT

1000

EXAMPLE: A CABLE WITH LAY-LENGHT 78 mm HAS: — = 12,82 lay-lengths/meter 78

TO EXTEND THE LAY-LENGHT

I HAVE TO BUNCH IN THE OPPOSITE DIRECTION

WHICH LAY-LENGHT I NEED TO OBTAIN?

100 mm.

HOW MANY LAY-LENGHTS THERE ARE FOR METER ON THE FINAL CABLE WITH LAY LENGHT 100

METER 1000

= = 10 lay-lengths/meter

LAY-LENGHTS 100

HOW MANY LAY-LENGHTS THERE ARE ON THE CABLE ALREADY DONE

METER 1000

_____ = ____ = 12,8 lay-lengths/meter

LAY-LENGHTS 78

IF I WANT 10 LAY-LENGHTS AND I HAVE 12,8 I WILL HAVE TO REMOVE 2,8

WHICH LAY-LENGHT I HAVE TO DO TO REMOVE 2,8 lay-lengths/meter

1000

= 357 mm. (lay-lengths to set)

2,8

TO OBTAIN A FINAL LAY-LENGHTS OF 100 mm.

TO SHORTEN THE LAY-LENGHT

I HAVE TO BUNCH IN THE SAME DIRECTION. WHICH LAY-LENGHT I NEED TO OBTAIN?

50 mm.

HOW MANY LAY-LENGHTS THERE ARE FOR METER ON THE FINAL CABLE WITH LAY LENGHT 50

1000

----- = 20 lay-lengths/meter

50

HOW MANY LAY-LENGHTS THERE ARE ON THE CABLE ALREADY DONE

1000

= 12,8 lay-lengths/meter

78

IF I WANT 20 LAY-LENGHTS ON A CABLE AND I HAVE 12,8 LAY-LENGHTS I WILL HAVE TO ADD

20 - 12,8 = 7,2 lay-lengths/meter

WHICH LAY-LENGHT I HAVE TO DO

1000

= 138 mm. (lay-lengths to set)

7,2

TO OBTAIN A FINAL LAY-LENGHTS OF

50 mm.