

Conduit Support Spacing Calculator

Calculate intermediate and total conduit support points from run length, end allowances, fitting locations, and a source-verified maximum support interval.

Generated October 10, 2026

<https://www.elecatrix.com/wire-raceway-ampacity/conduit-support-spacing-calculator/>

Inputs

Input	Value	Unit
Raceway type	EMT	
Run length	96	ft
Maximum support interval	10	ft
End support allowance	4	ft
End support points	2	points
Fitting support points	N/A	points

Results

Result	Value	Unit
Run length	96	ft
Span after end allowance	92	ft
Intermediate support points	10	points
Total support points	12	points
Last planned segment	2	ft

Calculation details

Detail	Value	Unit
Calculation basis	The entered end allowance is reserved for end, box, or fitting support planning. The remaining run is divided by the entered maximum support interval and rounded up.	
Support boundary	Preliminary support layout only; verify the adopted code edition, raceway type and size, fittings, orientation, manufacturer instructions, firestopping, seismic conditions, and AHJ requirements.	

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Formulas

$$L_{\text{span}} = \max(L_{\text{run}} - L_{\text{end}}, 0)$$

$$n_{\text{intermediate}} = \lceil \frac{L_{\text{span}}}{s_{\text{max}}} \rceil$$

$$n_{\text{total}} = n_{\text{end}} + n_{\text{intermediate}} + n_{\text{fitting}}$$

$$L_{\text{last}} = L_{\text{span}} - (n_{\text{intermediate}} - 1) s_{\text{max}} \text{ when } L_{\text{span}} > 0$$

Warnings and limitations

This is a preliminary support-layout screen. It does not determine code compliance, structural adequacy, firestop requirements, seismic bracing, fitting exceptions, or inspection approval.